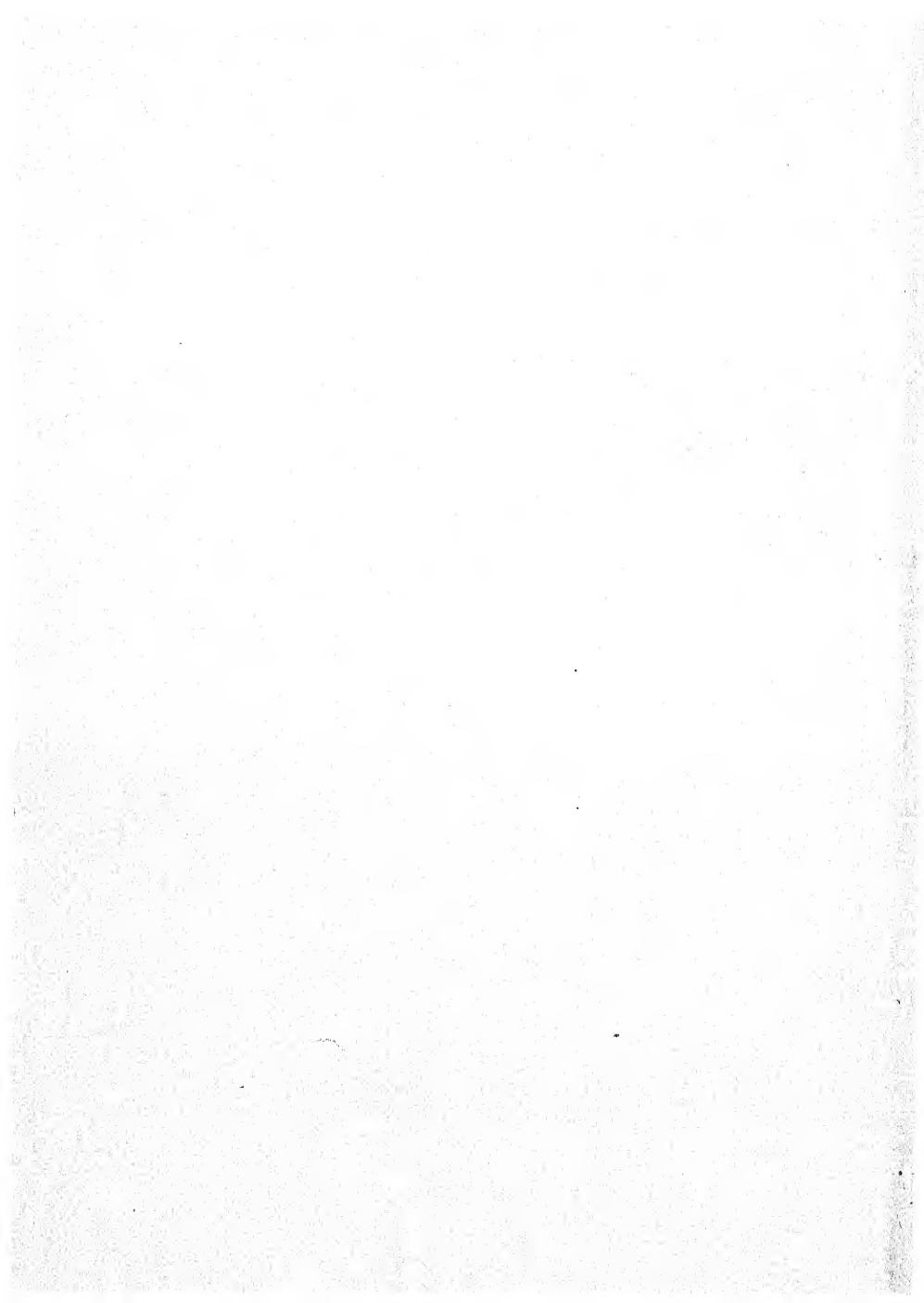


A CATALOGUE
OF
THE GREEK COINS
IN
THE BRITISH MUSEUM.



ATLAS OF THE
INDIA
OF THE
CATALOGUE

GREEK COINS OF MYSIA.

13402



BY

WARWICK WROTH.

EDITED BY

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WITH ONE MAP AND THIRTY-FIVE AUTOTYPE PLATES.

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EDITOR'S PREFACE.

THIS volume of the Catalogue of the Greek Coins in the British Museum describes the Coinage of Mysia.

The size of the coins is given in inches and tenths, and the weight in English grains. Tables for converting grains into grammes and inches into millimètres, as well as into the measures of Mionnet's scale, are placed at the end of the volume. A Map has been prefixed showing the position of the Cities of Mysia that issued coins, and notes, dealing with questions of provenance, attribution, reading and type, have been appended to many of the descriptions.

The whole work has been written by Mr. Warwick Wroth, of the Department of Coins and Medals; and I have revised it by comparing every coin with the corresponding description in the manuscript.

REGINALD STUART POOLE.

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CORRECTION.

Page 145, no. 281, *for* **ΕΠΙ†C** *read* **ΕΠΙC†**.

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GREEK COINAGE OF MYSIA.

INTRODUCTION.

THE cities of Mysia of which coinages are extant are twenty-four in number.* (See the Map in this volume). The most important of these places (about half of which were on the northern and western coasts) were the great sea-ports of Cyzicus, Parium, and Lampsacus on the Propontis and Hellespont, Apollonia on the Rhyndacus, and Pergamum. The earliest Mysian coinage took

Periods of
Mysian Coinage.

place at Cyzicus during the seventh and sixth centuries B.C. During the fifth century, coins were issued at Apollonia, Cyzicus, Lampsacus, Parium and Pergamum. In the majority of the cities, however, the coinage begins in the fourth century, from which time, with occasional cessations during the third, second, and first centuries, it is continued till late in the third century of our Era.

The Mysian currency consisted chiefly of the fine series of electrum coins issued at Cyzicus from *circ.* B.C. 500 to *circ.* 350, and of the important though less extensive series of gold staters

* All these cities are represented in the British Museum (see Index I., Geographical), with the exception of Teuthrania (J. P. Six, in *Num. Chron.*, 1890, p. 188 ff.). It is at present doubtful whether the towns of Came and Titakazos belonged to Mysia, as has been suggested. (See on Came, Imhoof-Blumer, *Griech. Münzen*, p. 612; on Titakazos, Ramsay, *Hist. Geog. of Asia Minor*, pp. 423, 456; Dressel, in *Zeit. f. Num.* xvii. 285-286; cf. *Z. f. N.* xv. pp. 13, 49.) Stratonicea-Hadrianopolis on the Caicus, should be reckoned with the Lydian and not with the Mysian cities; see Imhoof-Blumer, *Griech. Münzen*, pp. 723, 724 (commenting on Head, *Hist. Num.*, p. 466), and Ramsay, *Hist. Geog.*, p. 129.

minted at Lampsacus from *circ.* B.C. 394 to *circ.* B.C. 350. The principal money of the period B.C. 284-133 consisted of the Attic tetradrachms of the Kings of Pergamum and—from about B.C. 200 to B.C. 133—of the Cistophori coined by this dynasty at Parium and Pergamum. After the death of Attalus III., the last King of Pergamum, in B.C. 133, and the formation in the same year of the Roman Province of “Asia”—a province of which Mysia and the Pergamene kingdom formed part—the Mysian silver money consists principally of Cistophori issued from B.C. 133 to B.C. 67 at Pergamum and Adramyteum. The coinage of the Imperial Age is of bronze.

The important coin-series of Cyzicus, Lampsacus and Pergamum, and the coinages of Apollonia, Cisthene and Germe, call for special discussion.

The admirable monograph by Mr. Greenwell on the electrum coinage of Cyzicus, published in 1887,* has furnished numismatists with full descriptive lists of the Cyzicene staters, sixth, and twelfths, and with an interesting commentary on the whole series. Mr. Greenwell has arranged the coins and the plates that illustrate them according to their types, placing first the representations of divinities and heroes, and next those of animals and monsters. This plan offers several advantages in arranging an extensive and varied series like the Cyzicenes, but it sacrifices the chronological order of the coins. In the present Catalogue an arrangement in Periods has been attempted. Within each Period, however, the specimens are not grouped chronologically, but according to types—gods, heroes, animals, monsters, and inanimate objects. For convenience of comparison

CYZICUS

Electrum

Coinage.

Arrangement.

* *The Electrum Coinage of Cyzicus.* By the Rev. W. Greenwell, D.C.L., &c. London (Rollin and Feuardent), 1887. 8vo. Some additional electrum coins of Cyzicus were published by Mr. Greenwell in the *Numismatic Chron.*, 1890, p. 20 ff.

representations of heads are placed together, and these are followed by representations of the figure.

In the introduction to his *Cyzicus* (pp. 32-34), Mr. Greenwell has briefly set forth a proposed chronological arrangement of the coins, and with this classification I, in the main, agree, though differing in some instances as to the period to which certain specimens belong. There is a difficulty, especially, in dating the coins with animal types. Mr. Greenwell has assigned the bulk of these to his period B.C. 440-410, while he has given a small number to the preceding period. I am inclined to withdraw from the 440-410 period several pieces that have the squares in the incuse of the reverse irregularly formed. No. 49, p. 24, pl. v. 12, *infra* = Greenwell, no. 155, type, Cock, is an instance of this change, and, generally, I am disposed to place the animal types before, rather than after, B.C. 440.*

In this Catalogue the electrum coins are arranged in the following four periods :—

Period I. Seventh and sixth centuries B.C.

„ II. *Circ.* B.C. 500-450.

„ III. *Circ.* B.C. 450-400.

„ IV. *Circ.* B.C. 400-350.

It is generally agreed † that the first issue of the long series of electrum staters and smaller divisions marked with the tunny, took place not later than B.C. 500. A few specimens may be even earlier than this, but it

* In studying the Cyzicene series for the present catalogue, I have had access to a large number of casts and electrotypes of coins not in the British Museum, though unfortunately, in many cases, only the obverses of the originals had been copied. Too much reliance ought not to be placed upon the variations in the incuse squares, yet they are a distinct aid to the chronological classification of the pieces.

† Greenwell, *Cyzicus*, p. 32; Head, *Hist. Num.*, p. 449.

is convenient to class together all the archaic or quasi-archaic pieces in Period II. (B.C. 500-450). (See plates iv., v.) The exceptional stater, no. 1, pl. iii. 20, with the type of a tunny, filleted, is assigned by Mr. Greenwell to the first half of the sixth century, and is considered by him to be the sole representative of the earliest coinage of the city. It may well be questioned, however, whether, during the seventh, or at any rate during the sixth, century, Cyzicus confined herself to the issue of staters of this solitary type. I would, therefore, assign to Period I. not merely this stater but a number of electrum coins—chiefly sixths and smaller divisions—all of which bear types of a marine character, some of them relating to the tunny-fisheries from which Cyzicus derived so much of her revenue.* (See plate iii.) In this period, I have also included the curious silver stater no. 16, p. 20, pl. iii. 21, bearing the head and tail of a fish, apparently the tunny. Coins of this type have been found in the island of Melos, and two specimens occurred in the Santorin (Thera) Find of 1821.† The type, which is an unusual one, is not specially appropriate to either Melos or Thera, but would be well-adapted to Cyzicus, as a comparison with the electrum coins (pl. iii.) will show. The coins are of the Phœnician standard, and may be as early as the seventh century B.C.

About B.C. 500, marine types disappear from the Cyzicene electrum coinage, with the exception of the tunny, which
 Period II.
 circ. B.C. 500-450. henceforth becomes the constant symbol of the city.
 The coins of this period (pl. iv., v.) are for the most part of archaic or partially archaic style, such as we are accustomed

* Most of these types have already been described by Mr. Greenwell, who has himself remarked (p. 32), that the coins on which they occur appear "to be rather before than after B.C. 500."

† Wroth, "The Santorin Find," in *Num. Chron.* 1884, pp. 273, 274. The attribution of these staters to Cyzicus is due to Mr. Barclay Head.

to associate with the period before the Persian wars (B.C. 480). Some pieces, however, especially those with animal types, may be later than B.C. 480, and it is for this reason that I have fixed the lower limit of the period at *circ.* B.C. 450. In any case, it is impossible to admit a break in the issue of the Cyzicenes between this period and the next.

On the coins assigned to the third period* (pl. vi., vii., viii.), all traces of archaism have disappeared, and the small squares in the incuse of the reverse are more regularly formed. The treatment of the types is characterized, as a rule, by strength and simplicity.

Period III.
circ. B.C. 450-400.

To the fourth and latest period of electrum coinage at Cyzicus, may be assigned a series (unfortunately but poorly represented in the British Museum) of specimens having the incuses more or less dotted or roughly grained (pl. viii.). The types consist almost exclusively of human heads and figures. The work is, for the most part, delicate and beautiful; but, by contrast with the style of the preceding period, sometimes appears almost effeminate. The coins that can be assigned to the present period are not numerous, and there is no doubt that the gold staters of Philip of Macedon and of his successor Alexander, ultimately superseded the Cyzicenes and Darics as the staple gold currency of the ancient world. Mr. Greenwell supposes (*Cyzicus*, p. 34) that the issue of Cyzicenes completely ceased before B.C. 360.† I have (with Mr. Head, *Hist. Num.*, p. 451) suggested the year B.C. 350 for the cessation of the coinage, a slightly later date, which would leave more time for the issue of the gold "Philips" to take

* Mr. Greenwell fixes the limits of this period at B.C. 440-410. I venture to think they may be conveniently extended by twenty years, from B.C. 450 to B.C. 400.

† M. J. P. Six is of opinion (cf. Greenwell's *Cyzicus*, p. 34) that a few of the Cyzicenes may be as late as the accession of Alexander the Great, B.C. 336.

effect. In style, the Cyzicenes of this period bear much resemblance to the gold staters of Lampsacus, which—if rightly dated in this catalogue—were issued within limits of time almost exactly corresponding, namely B.C. 394-350.

In their multiplicity of type and beauty of artistic treatment, the

Types. Cyzicenes form a striking contrast to other widely-spread Hellenic currencies (such as those of Athens and Corinth), in which fixity of coin-type, with its obvious commercial advantages, was all that was aimed at. Cyzicus combined this fixity with both variety and beauty. The fixed elements in the Cyzicene currency—those without which it could not well have performed its function as a popular medium of exchange*—are the representation on every specimen of the tunny-fish, the incuse square (retained long after the archaic period), and the unusual fabric and colour.

At Cyzicus, the magistrates' symbols are not represented, as at Athens and Corinth, by small devices in the field of the coin, but are, by a happy inspiration, exalted to the position of "types," while the type proper (the tunny) is placed in the position of the symbol. Hence the varied array of Cyzicene coin-types. It seems strange, at first sight, that such facile engravers as those of Cyzicus should never have attempted the adornment of the reverse of the coins. The reverse of the gold staters of Lampsacus, a series which in several respects resembles the Cyzicenes, is invariably occupied by the city-arms (the winged horse), and the tunny of Cyzicus might easily have been placed in the same position. It was probably felt, however, that such a reverse-type would be monotonous. Moreover, the incuse square and the lumpy fabric of the staters—though ugly in themselves—serve as a foil to set off the fine work of the obverse; just as the portion of a pebble that the lapidary

* Cp. Keary, *Morphology of Coins*, p. 4 ff.

purposely leaves unpolished enhances the beauty of its polished side.

The greater number of the types relate, as Mr. Greenwell has remarked, to the cults and myths of Hellas, and have been derived from many sources. "Some are of original design, some are simply copies of other coins, and some are modifications of the types on the coins of other States. There are also others which have been taken from single figures or groups in marble," and which have been either reproduced or modified by the taste of the artist "to fit them to the requirements of the space on the coin." In connection with the last-mentioned point we may notice the frequent occurrence of stooping or kneeling figures. Figures in similar attitudes are constantly found in the circular medallions that ornament the inside of the Greek *kylix*. (See *e.g.* the illustrations in Klein's *Euphronios*.)*

The silver coinage of Cyzicus consists principally of staters of Rhodian weight issued from *circ.* B.C. 400-280.†
 Silver and bronze coins of Cyzicus. Brandis, and others, have attributed to Cyzicus a still earlier coinage, B.C. 480-400, consisting of the small silver pieces described below on pages 34, 35 (pl. ix. 1-7). M. J. P. Six has argued that this series belongs to Caunus in Caria, but, for reasons explained in a note on p. 34, *infra*, I have been unable to accept his attribution. The autonomous bronze coinage extends

* The weights (cf. Head, *Num. Chron.*, 1887, p. 279; Greenwell, *Cyzicus*, p. 14) of the Electrum coins of Cyzicus, B.C. 500-350 are:—

	STATER.	SIXTH.	TWELFTH.
<i>Normal</i> ,	254.10 grains.	41.60 grains.	21.00 grains.
<i>Average</i> ,	248 ,,	41 ,,	20 ,,

The question of the exchange value of the Cyzicenes is discussed by Mr. Head in connection with other electrum coins of Asia Minor in the preface to his "Catalogue of the Coins of Ionia" (*Brit. Mus.*), now in the press.

† See also the archaic silver staters described *infra*, p. 20, nos. 16, 17 with the fish's head and tail.

from *circ.* B.C. 400 to B.C. 100 or later. The Imperial series of bronze is varied and extensive, but the types chiefly relate to the myths and cultus of Kore Soteira (pl. x. 10; xi. 1, 3, 8; xiii. 6, &c.) who was specially honoured at Cyzicus (see Lenormant in Saglio, *Dict. des ant.*, art. "Ceres," p. 1030, and references there).

The earlier coins of Lampsacus in the British Museum are arranged (pp. 78-85) in the following periods :—

- LAMPSACUS.**
Periods of
coinage.
- I. *Circ.* B.C. 500. EL. *Stater*. Forepart of winged horse. *Rev.* Incuse square. Wt. 215·72 grains.
AR Didrachm, &c. Forepart of winged horse. *Rev.* Incuse square. Wt. 105 grains, &c.
- II. B.C. 500-450 or later. EL. *Stater*. Forepart of winged horse. *Rev.* Incuse square. Wt. 232-237 grains. *AR Drachm*, &c. (Persic), Janiform head. *Rev.* Head of Athena.
- III. *Circ.* B.C. 394-350. *N Stater*. *Rev.* Forepart of winged horse.
Circ. B.C. 394-330? *AR Half-drachm*, &c. (Persic), Janiform head. *Rev.* Head of Athena.
4th and 3rd centuries B.C. *Æ Rev.* Forepart of winged horse.*

The attribution to Lampsacus of the coins in Period II. may be regarded as certain.† The stater placed in Period I. may have been issued about 500 B.C., or a little earlier, and may well be attributed to this city on account of its type. Its weight, however,

* As to satrapal coins struck at Lampsacus or Adramyteum in the fourth century B.C., see *infra*, p. 85.

† For further details as to the electrum coins of this period, see B. V. Head, *Hist. Num.*, p. 456, and his articles in *Num. Chron.*, 1876, p. 277 ff, on a find of Cyzicene and Lampsacene staters.

is Phœnician or Asiatic, while the staters of Period II. are struck on the Lampsacene standard.* The coin belongs to a class of staters bearing animal types which are evidently either issued from a single mint—according to M. Six, the mint of Chios†—or (as Mr. Head has suggested‡) from several mints regulated by a monetary convention. The attribution of this stater must therefore, for the present, be considered doubtful. The series of gold staters in Period III. (pl. xix. 1-9) is of especial interest on account of the variety and beauty of the obverse types. Considerable additions to this series have been made of late from Finds, and not less than thirty-one distinct types are now known. The following is a list of types, § with references to representative specimens of each:—

**List of Gold
Staters.**

1. *Obv.* Infant Herakles r., strangling serpents. *Rev.* Forepart of winged horse l., within incuse square. (Oval flan.) *Bibliothèque Nat. Paris.* (Sestini, *Stateri ant.*, p. 64, no. 13, pl. vi. 10; Waddington, *Mélanges de num.*, ii., p. 18, pl. ii. 5); *Greenwell coll.* (*Num. Chron.*, 1880, p. 12; Gardner, *Types*, pl. xvi. 8).
2. *Obv.* Helle riding on ram l. *Rev.* Similar to no 1. (Oval flan.) *Prokesch-Osten coll.* (*Inedita*, 1854, p. 50, pl. iv. 8); *Berlin Mus.* (*Z. f. N.*, iv., p. 5); *De Luynes coll.* (Brandis, *Münzwesen*, p. 410).
3. *Obv.* Nike kneeling l., sacrificing ram. *Rev.* Forepart of winged horse r., within incuse square. || *Weber coll.* (*N. C.*, 1885, p. 10, pl. i. 9; Head, *H. N.*, p. 457, fig. 284).

* Head, in *Num. Chron.*, 1887, p. 282.

† *Num. Chron.*, 1890, p. 219.

‡ *Brit. Mus. Cat. Ionia*, p. 7, where the stater in question is catalogued among the "Uncertain" of Ionia.

§ This is partly based on the previous lists of M. J. P. Six, *Num. Chron.*, 1888, p. 111, and of Mr. Head, *Hist. Num.*, p. 457.

|| This reverse occurs on all the staters that follow.

4. Nereid seated l. on dolphin, with shield. *Biblioth. Nat., Paris.* (Sestini, *op. cit.*, p. 65, no. 16, pl. vi. 13; *Mion.* ii., p. 559, no. 285).
5. Bearded head of Pan, three-quarter face towards l. *Greenwell coll.* (*N. C.*, 1890, p. 25, pl. iii. 11); *Loebbecke coll.* (*Z. f. N.*, 1891, p. 169, no. 3, pl. x. 3); *Waddington coll.*
6. Head of Zeus Ammon, three-quarter face towards l., bearded and horned. Formerly *Northwick coll.* (Millingen, *Anc. Greek Coins*, p. 69, no. 2, pl. v. 8; *Northwick Sale Catal.*, lot 963). *Brandis*, p. 410.
7. Head of Demeter or Persephone r., wreathed with corn. *Brit. Mus., infra*, p. 80, no. 23, pl. xix. 1; *Loebbecke coll.* (*Z. f. N.*, xvii., p. 169, no. 4, pl. x. 4).
8. Head of Athena l. (copied from Athenian coins). *Dans le Commerce.*
9. Head of Athena l., helmeted. *Greenwell coll.* (*Num. Chron.*, 1890, p. 26, pl. iii. 12); *Loebbecke coll.* (*Z. f. N.*, xvii., p. 169, no. 5, pl. x. 5); *Hunter coll.*
10. Head of bearded Herakles l. *Loebbecke coll.* (*Z. f. N.*, xvii., p. 169, no. 6, pl. x. 6).
11. Head of young Hermes l., in petasos. *Loebbecke coll.* (*Z. f. N.*, xvii., p. 169, no. 7, pl. x. 7).
12. Apollo seated r., on rock, holding lyre. *Loebbecke coll.* (*Z. f. N.*, xvii., p. 170, no. 9, pl. x. 9).
13. Female head l., wearing wreath of vine-leaves and grapes, and sakkos. *Greenwell coll.* (*Num. Chron.*, 1890, p. 26, pl. iii. 14); *Loebbecke coll.* (*Z. f. N.*, xvii., p. 170, no. 8, pl. x. 8).
14. Female head l. (Hekate), laur.; hair tied in bunch on top of head; behind head, torch. *Greenwell coll.* (*Num. Chron.*, 1890, p. 26, pl. iii. 13); *Weber coll.*

15. Head of Helios l., on radiate disk. *Waddington coll.* (Head, *Hist. Num.*, p. 456, fig. 281).
16. Head of female satyr l., with pointed ear, wearing ivy-wreath. *Brit. Mus.*, *infra*, p. 80, no. 24, pl. xix. 2.
17. Young male head l., with stag's horn (Aktaeon). *Loebbecke coll.* (*Z. f. N.*, xvii., p. 8, no. 2 and p. 178, pl. i. 12); *Greenwell coll.*; Head, *Hist. Num.*, p. 457, "Young heroic head"; *Mion.*, *sup. t. v.*, p. 371, no. 558, pl. lxxv. 3, "tête nue d'un jeune héros." Cp. J. P. Six in *Num. Chron.*, 1888, p. 111, no. 20.
18. Bearded male head l. (Odysseus?) with flowing hair, in conical cap wreathed with laurel. *Brit. Mus.*, *infra*, p. 81, no. 25, pl. xix. 3; *Dans le Commerce* (with flan more spread).
19. Gaia l., holding corn and grapes, rising from ground; lower part of body not visible. *Brit. Mus.*, *infra*, p. 81, no. 26, pl. xix. 4; *Weber coll.*
20. Head of Demeter l., veiled and wreathed with corn. *Brit. Mus.*, *N* plated, *infra*, p. 81, no. 27, pl. xix. 5; *Wellenheim Cat.*, vol. i., no. 4890.*
21. Head of Zeus l., laur.; behind, thunderbolt. *Brit. Mus.*, *infra*, p. 81, no. 28, pl. xix. 6; *Montagu coll.*; *Weber coll.*; *Loebbecke coll.* (*Z. f. N.*, xvii., p. 8, no. 1, pl. i. 11).
22. Head of Zeus l., laur. (no thunderbolt). *De Luynes coll.* (*Choix*, pl. x. 17; *Brandis*, p. 410); *Dans le commerce* (Head, *Hist. Num.*, p. 456, fig. 279, from an electrotypé in the British Museum).

* Is not this type identical with that on the De Luynes coin cited in *Brandis*, p. 409, as "Herakopf" = Six, *Num. Chron.*, 1888, p. 111, no. 8, "tête voilée, couronnée de fleurs de grenade"?

23. Bearded male head l., wearing stephane; behind, club.
(Herakles as Omphale*), *Greenwell coll.*
24. Bearded head of Persian satrap. l. *Hunter coll.* (Combe, *Mus. Hunter.*, p. 165, pl. xxxi. 22).
25. Head of Maenad l. [J. P. Six, *Num. Chron.*, 1888, p. 111, no. 17, "Olympias"] wearing ivy-wreath and diadem.
Brit. Mus., *infra*, p. 81, no. 29, pl. xix. 7; *De Luynes coll.* (*Choix*, pl. x. 18); *Hunter coll.* (Combe, *Mus. Hunter.*, p. 165, pl. xxxi. 23); *Thomas Sale Cat.*, lot. no. 1998.†
26. Female head l., wearing sakkos and wreath (of lotus?).
Brit. Mus., *infra*, p. 82, no. 30, pl. xix. 8; *Greenwell coll.* (*Num. Chron.*, 1890, p. 27, pl. iii. 15); *Weber coll.*
27. Nike kneeling r., erecting trophy. *Brit. Mus.*, *infra*, p. 82, no. 31, pl. xix. 9.
28. Female head l. (Aphrodite?) wearing earring and necklace; hair rolled. *Weber coll.*; Mion. ii., p. 560, no. 286 = Sestini, *Stateri ant.*, p. 64, no. 10, pl. vi. 8 (? = Six in *Num. Chron.*, 1888, p. 111, no. 6, "Tête de femme, Nike?").
29. Head of Apollo l., laur. *Munich* (Sestini, *Stateri ant.*, p. 63, no. 9, pl. vi. 7, "Ceres," = Head, *Hist. Num.*, p. 457, "Demeter" = J. P. Six in *Num. Chron.*, 1888, p. 111, no. 7; *ib.* p. 110, note 47).

* This identification of the type is due to Mr. Head.

† M. Six (*Num. Chron.*, 1888, p. 111, no. 9) describes a stater with "tête couronnée de lierre, avec boucles d'oreille." Is not this stater identical with the "Maenad" type (= no. 17 in M. Six's list, no. 25 in our list)? The coins in the Hunter and Thomas collections described by Brandis, p. 410, as having the type "Epheubekränzt unbärtiger (Bakchos) Kopf" have the diadem as well as the ivy-wreath, and are similar to the "Maenad" (no. 25 in our list).

30. Head of Nike, laur., winged. *De Luynes coll.* = Brandis, p. 410 = Six in *Num. Chron.*, 1888, p. 111, no. 16 = Head, *Hist. Num.*, p. 457.

31. Head of Dionysos, l., bearded, wreathed with ivy. *Weber coll.*; *Dans le Commerce*.

Mr. Head (*Num. Chron.*, 1876, pp. 288, 291; *Hist. Num.*, p. 456)

Date of gold has placed the first issue of these staters in B.C.
 Staters. 412, partly because he supposes the head on no. 24
 to be that of the Persian Pharnabazus, who succeeded to the
 satrapy of the Hellespont about B.C. 413. As will be shown, how-
 ever, this coin is not one of the earliest of the staters, and the head
 bears so little resemblance to that on the well-known silver coin
 inscribed ΦΑΡΝΑΒΑ (Imhoof, *Porträtköpfe*, p. 23, pl. iii. 2),
 that it cannot be assumed to represent Pharnabazus. M. Six
 thinks that the head is of the Satrap Orontas (*Num. Chron.*, 1888,
 p. 113). The earliest staters in the series are nos. 1 and 2. They
 are distinguished from all other specimens of their class by being
 struck on an oval, instead of a more or less circular, flan, and
 by having the winged horse turned to the left instead of to the
 right. The oval flan and "type to the left," after being in use
 for a short time, were evidently abandoned in favour of the circular
 flan and "type to the right," characteristics which—when the coins
 became well known and popular—remained stereotyped. Now,
 the stater no. 1 is almost certainly copied from the Herakles on
 the alliance-coins of Samos, Ephesus, Cnidus and Rhodes, struck
 after the battle of Cnidus, B.C. 394 (Waddington, *Mél. de Num.* ii,
 p. 18); and as this stater is one of the earliest Lampsacenes, we
 may place the earliest issue of the whole class about B.C. 394—a date
 already suggested by M. Six (*Num. Chron.*, 1888, p. 112). The
 gold coinage of Lampsacus must ultimately have been superseded
 by the gold money of Philip II. and Alexander the Great, and its

issue may have ceased—as Mr. Head supposes *—about the year B.C. 350. M. Six † considers that the coinage continued as late as the time of Alexander, B.C. 330. Nos. ‡ 25 (pl. xix. 7), 6 and 17 “carry us down” (says M. Six) “to the year 331, when Alexander visited the oracle of Ammon . . . and to the year 334, when Lampsacus was spared by Alexander.” The town (continues M. Six) would therefore have had a special reason for placing on its coins the head of Alexander’s mother (divinized as a Maenad; no. 25); that of his father Ammon (no. 6); and his own head, idealized as Achilles (no. 17). Though M. Six’s reference of these three types to Alexander is highly interesting and ingenious, I feel some hesitation in accepting it. Unless I am mistaken, M. Six, misled by the engraving in Mionnet, pl. lxxv. 3, has not noted that the young head called by him Achilles has a stag’s horn attached to it (see *Z. f. N.*, xvii., p. 8, no. 2, pl. i. 12), and that it is therefore not Achilles but Aktaeon. The head on no. 25 may be simply that of a Maenad, and not Olympias in that character; and the head of Zeus Ammon—if the “Achilles” and “Olympias” interpretations are set aside—need not necessarily be connected with Alexander.§

The Lampsacenes (struck according to the standard of the Darics, weight, about 130 grains) enjoyed a wide circulation, if we may judge from the fact that specimens have been discovered in Egypt and Syria, || in Sicily ¶ and in Asia

* *Hist. Num.*, p. 456; cp. Head in *Num. Chron.*, 1876, p. 289.

† *Num. Chron.*, 1888, p. 112.

‡ These are the numbers in our list given above. In M. Six’s own list in *Num. Chron.*, 1888, p. 111, the numbers are 17, 19, 20.

§ The Avola hoard, which may have been deposited as late as B.C. 320, contained Lampsacene gold staters, but these are all—in Mr. Loebbecke’s opinion (*Z. f. N.*, xvii., p. 176 ff.)—of the first half of the fourth century.

|| See Mr. Borrell’s note cited *infra*, p. 82.

¶ In the hoard found in the neighbourhood of Avola, near Syracuse, and described by Mr. Loebbecke, *Z. f. N.*, xvii., p. 167 ff, pl. x.

Minor.* In variety of device and beauty of execution this stater-series—of which the full extent is probably not yet known—recalls the electrum coinage of Cyzicus. The obverse type is usually a head. Figure-subjects only occur seven times. The head was no doubt preferred to the figure because a figure-subject (the winged horse) had, of necessity, to form the type of the reverse. The heads are chiefly those of well-known divinities—Zeus, Zeus Ammon, Apollo, Helios, Demeter, Athena, Hermes, Dionysos, Pan, Herakles, Hecate. We find also a head of Aktaeon, Odysseus (?), a satyr, a Maenad. The head on no. 24 has been described as that of the Satrap Orontas. These subjects, though comparatively commonplace, are by the engravers of Lampsacus nearly always treated with marked distinction of style. The Demeter or Persephone (pl. xix. 1) bears a remarkable resemblance to the corn-wreathed head of Demeter on the well-known coins of Messene struck about B.C. 370 (Gardner, *Types*, pl. viii. 28), and, in style, recalls some of the fine hectae of Phocaea (cp. B. V. Head, *Guide to the Coins of the Ancients*, iii. A. 9; pl. xviii. 9). The head of the female satyr (pl. xix. 2) shows something of the feeling that inspired the famous youthful Satyr of Praxiteles (see Baumeister, *Denkmäler*, art. "Praxiteles," fig. 1548). The head, pl. xix. 3, is almost identical with one on a Cyzicene stater (Greenwell, *Cyzicus*, p. 86, no. 70, pl. iii. 21). It has been called a Cabirus and also Hephaistos, but I agree with Mr. Greenwell (*loc. cit.*) in thinking it more suitable to "the crafty, restless and bold Odysseus . . . a storm-tossed, but not weary or disheartened warrior." The figure-subjects relate to Herakles, Apollo, Nike, Gaia, and Helle. The last-named was specially appropriate to a town situated on the Hellespont. An imperial coin of Lampsacus (*Z. f. N.*, vii., p. 25, pl. i. 15) represents Helle's brother Phrixos riding on the

* In a hoard referred to in *Z. f. N.*, xvii., p. 178. Mr. Greenwell was informed that this find took place in the Troad (*Num. Chron.*, 1890, p. 26).

ram, and Helle herself thrown from the ram into the sea. The Herakles subject (no. 1) is, as already pointed out, a pleasing reproduction of the type on the well-known series of Alliance Coins of Cnidus, Ephesus, &c. (Waddington, *Mél. de Num.*, ii. p. 18, pl. ii.). Pl. xix., no. 4, Gaia rising from the ground, holding ears of corn and grapes, may have been suggested by the Cyzicene stater described by Mr. Greenwell in the *Numismatic Chronicle*, 1890, p. 24, pl. iii. 7, to which, however, it is inferior in delicacy of execution.* No. 3 in the list, Nike killing a ram, is a beautiful variety of the well-known subject of Nike sacrificing an animal, usually a bull.† A similar type occurs on a contemporary gold stater of Abydos (Head, *Guide*, iii., A. 14, pl. xviii. 14), but there Nike is completely draped. The Nereid on a dolphin (no. 4 in list) occurs also on a Cyzicene stater (Greenwell, *Cyzicus*, p. 72, no. 48, pl. ii. 26).

The most frequent type on the latest autonomous and on the Imperial coins of Lampsacus is Priapus. Lampsacus was the legendary birth-place of this divinity and the principal seat of his worship. Priapus first occurs on the coins about B.C. 190, and the representation of him bears out the statement of Athenaeus (i. 54) that at Lampsacus he was identified with Dionysos. The Lampsacene territory was noted for its wine.

The earliest coins of Pergamum (pl. xxiii. 1, 2) belong, to judge from their style, to the closing years of the fifth century—circ. B.C. 420-400, and were doubtless those issued by the widow, or the descendants, of Gongylos the Eretrian, to whom the King of Persia had given

PERGAMUM.
Earliest Coinage.

* For other representations of Gaia, see Baumeister, *Denkmäler*, fig. 536, art. "Erichthonios"; Brit. Mus. *Catal. of Vases*, i., no. 749; A. H. Smith, Brit. Mus. *Catal. of Engraved Gems*, no. 923.

† See Cecil Smith on "Nike sacrificing a bull," in *Journ. Hell. Studies*, 1886, and R. Kekulé, *Die Reliefs an der Balustrade des Tempels der Athena Nike*.

Pergamum as a reward for espousing his cause.* From about B.C. 354,† the city remained in the hands of the Persian King, until the arrival of Alexander the Great, who there established Barsine and his son by her, named Herakles. Herakles lived at Pergamum till the year 310, when he was persuaded by Polysperchon to set out for Greece as a claimant to his father's throne. He died in 309, but it is highly probable—as M. Six has pointed out‡—that before starting for this expedition he issued at Pergamum a series of gold, silver and bronze coins (pl. xxiii. 3-5), which bear types chiefly relating to Herakles, and to Athena, the great divinity of Pergamum.

From *circa* B.C. 284 till 133 the city is the chief mint place of the Pergamene kings.§ This regal currency consists chiefly of tetradrachms of Attic weight, of **Pergamene kings,** Cistophori and of small bronze pieces. The tetradrachms and the bronze bear no inscription except the name of Philetaerus, the founder of the dynasty. The reverse type of the tetradrachms is, throughout, a figure of Athena, seated and, usually, crowning the name of Philetaerus. The obverse type—from the time of Eumenes I., B.C. 263, onwards—is the head of the divinized Philetaerus || (pl. xxiii. 13, &c.). On the obverse of the coins of Philetaerus himself is the head of his suzerain or supporter Seleucus I., Nicator (pl. xxiii. 12).¶ Philetaerus and Seleucus are

* J. P. Six, in *Num. Chron.*, 1890, p. 190 ff.

† Six in *Num. Chron.*, 1890, p. 194.

‡ *Num. Chron.*, 1890, p. 200.

§ The coins with a bee as the symbol, were probably struck by Eumenes II., at Ephesus. See Head's *Ephesus*, p. 60.

|| The head of Philetaerus on the coins may be compared with a marble bust from Herculaneum supposed by A. Gercke, in *Bonner Studien* (dedicated to R. Kekulé), Berlin, 1890, pp. 141, 142, pl. vii., to represent this ruler. I am not quite convinced of the correctness of this identification.

¶ Cp. Babelon, *Rois de Syrie*, p. xvii.

the only portrait-heads that occur. An exceptional tetradrachm of Eumenes II. (pl. xxiv. 5) presents a head, not of Philetaerus, but (presumably) of Eumenes himself.

The arrangement of the tetradrachms adopted in this *Catalogue* is that proposed by Dr. Imhoof-Blumer in his admirable monograph *Die Münzen der Dynastie von Pergamon*. The data for this classification are afforded chiefly by variations in the head-dress of the king, the border of dots, the attitude of Athena, the position of Athena's spear and shield, the position of the inscription, and by changes in the fabric.

The obverse type of the bronze coins of the kings (pl. xxv.) is usually a head of Athena. On the reverses there occur as types several devices (*e.g.* bow, ivy-leaf, bee) that figure on the tetradrachms as *symbols*; a circumstance which renders possible the assignment of the specimens to individual kings.*

From about B.C. 200 to 133 the coinage of regal tetradrachms is supplemented by an issue at Pergamum (pl. xxvi. 1), and also at Parium (pl. xxi. 16) of cistophori.† Some coins with Alexandrine types are also attributable to Pergamum, probably in the time of Eumenes II.‡

From the establishment of the Roman Province of Asia, till near the beginning of the Empire, the coinage of the Pergamene mint consists chiefly of a new issue of cistophori (pl. xxvi. 3-6), of which the latest specimens bear the names of C. Fabius § and C. Claudius Pulcher,||

* See Imhoof Blumer, *Dyn. von Pergamon*, pp. 38, 39.

† On the cistophori, see Imhoof, *op. cit.*, pp. 17, 33; Head, *Hist. Num.*, pp. 461, 462; Bunbury in *Num. Chron.*, 1883, pp. 184-188.

‡ Imhoof, *op. cit.*, pp. 16, 17.

§ Waddington, *Fastes*, no. 29; Bunbury in *Num. Chron.*, 1883, p. 186, pl. x. 4; Loebbecke in *Zeit. f. Num.*, x. 77; Waddington in *Bull. corr. Hell.*, vi. 285, 286; Head, *Ephesus*, p. 72, note.

|| Waddington, *Fastes*, no. 31, and his *Voyage en Asie-min.*, p. 75.

Proconsuls of Asia, and of Q. Caecilius Metellus, Imperator (p. 126 *infra*; pl. xxvi. 6). An extensive bronze coinage also falls within the period B.C. 133—Augustus. The types generally relate to Athena and Asklepios (pl. xxvi. 7-9; pl. xxvii. 1-15).

The Imperial bronze coins of Pergamum, like those of Cyzicus, form an extensive and varied series. Besides the specimens with Emperors' heads, there is a smaller contemporaneous class bearing the heads of divinities, &c. (pp. 134-137), which may be assigned to various reigns from Augustus to Gallienus. The types of the greatest interest and of the most frequent occurrence relate to the worship of Asklepios, the principal divinity of Pergamum under the Empire.* This god was already worshipped in the time of the Pergamene kings, and a few types relating to him—including one (pl. xxv. 9) which perhaps reproduces the Asklepios of the sculptor Phryromachus†—are found on the bronze regal coinage (pl. xxv. 10, 11, 12). Asklepiian types are also found on the coinage of B.C. 133—Augustus (pl. xxvi. 7; xxvii. 1-9). On the Imperial money these types begin to appear in the reign of Domitian, and last till the time of Gallienus. They are most abundant under the Antonines, and under Caracalla, of whose visit to the Pergamene temple of Asklepios in A.D. 214 they form an interesting record. (See especially pl. xxxi. 1, the Emperor entering Pergamum; pl. xxxi. 3, 4, 5, sacrifice to Asklepios; pl. xxxi. 6, adoration of Asklepiian serpent and Telesphoros.) Caracalla conferred upon the Pergamenes certain privileges (Dio Cass. lxxviii. § 20), and on the reverse of one of his enormous coins (no. 318), which is entirely covered by the inscription, we read a boastful record of the city's titles.

* A detailed commentary on these types may be found in my essay, "Asklepios and the Coins of Pergamon," published in the *Num. Chron.* for 1882, pp. 1-51.

† Wroth, "Asklepios," p. 15.

Among other noteworthy types in the British Museum may be mentioned: (i) pl. xxviii. 5, The Demos of Pergamum crowning the Proconsul, M. Plautius Silvanus (*Augustus*); (ii) pl. xxviii. 10, Trajan and Zeus Philios (*Trajan*); (iii) pl. xxviii. 16, Koronis, mother of Asklepios (*Hadrian*); (iv) pl. xxix. 1, Apollo Smintheus and Asklepios (*Antoninus Pius*); (v) pl. xxix. 7, Asklepios and a small naked figure; between them, a rat: cf. Wroth, *Asklepios, &c.*, p. 38 ff. (*M. Aurelius*); (vi) pl. xxx. 4, Youthful Zeus with Gaia and Thalassa (*Commodus*); (vii) pl. xxx. 7, Vaulted shrine with statues of two bulls—a type not yet explained (*Sept. Severus*); (viii) pl. xxx. 8, Ariadne discovered by Dionysos (*Sept. Severus*).

The imperial types of Apollonia relate to Apollo. Of especial interest are the coins representing the statue of an APOLLONIA AD RHYNDACUM, undraped Apollo, standing in an easy pose, with one arm resting on a pillar (pl. ii. 13, 16).

The attitude of the figure recalls the Apollo Sauroktonos of Praxiteles (L. Mitchell, *Anc. Sculpt.* pp. 444, 445; Baumeister, *Denkm.* art. "Praxiteles," fig. 1550; Overbeck, *Kunstmythologie* cited *infra*, p. 11, note).

The earliest coin of Cisthene is of the fourth CISTHENE. century B.C.

Obv. Bearded head r. in Persian mitra.

Rev. ΚΙΞΘΑ Horseman galloping r. Æ size "12." Munich. (See Imhoof, *Griech. Münzen*, p. 613, no. 166, pl. vi. 27).*

The obverses of nos. 1 and 2 in the British Museum, *infra*, p. 17, pl. iii. 7, resemble the Demeter-head on silver coins of Paros, assigned in the British Museum *Cat. Crete and Aegean Islands* (p. 114, no. 13, pl. xxvi. 7) to the third century B.C. On the other hand,

* There is no specimen in the British Museum.

the obverse of no. 3 is of somewhat rude style, and the reverse type of all three specimens occurs also at Adramyteum on coins that seem to be of the second century B.C. These coins of Cisthene are therefore best assigned to the second century. In or before the time of Strabo (xiii. 1, 51) the place was deserted.

There were two towns in Mysia of this name* :—(i) Germe on the Caicus near Pergamum, at or near the modern **GERME.** *Soma.*† (ii) Germe (called by Ptolemy “Hiera Germe”) on the Rhyndacus, S.W. of the lake of Apollonia, near the modern *Kirmashli Kassaba.*‡ Are the coins reading ΓΕΡΜΗΝΩΝ (described *infra*, pp. 64-71) to be distributed between these two towns, or, if not, to which town should they be assigned?

The coins in question are Imperial, both with and without Emperor's heads. The inscription is always ΓΕΡΜΗΝΩΝ, though one coin (no. 10) has (besides the ΓΕΡΜΗΝΩΝ on the reverse) the legend ΙΕΡΑ ΓΕΡΜΗ accompanying the turreted bust of the city on the obverse. On many of the specimens the name of the local magistrate occurs. The types chiefly relate to Apollo and Artemis.

On grounds of style, I am inclined to believe that all the coins belong to a single town. With regard to the inscriptions, it might at first be thought that the presence or absence of the name of the magistrate indicates that the coins were issued by two distinct towns. This does not, however, appear to have been the case, for

* The coins of Germa in Galatia are Roman colonial: see Head, *Hist. Num.*, p. 630, and Ramsay, *Hist. Geog. of Asia Minor*, p. 224.

† Peutinger Table, “Gerame,” on the road between Pergamum and Thyatira; Itin. Antonini, 335 (p. 160 ed. Parthey and Pinder); Waddington-Lebas, *Inscr.* iii. (1), p. 268, 407; Ramsay, *Hist. Geog.*, pp. 127, 167, 460.

‡ Ptol. v. 2, § 14, Ἰερά Γέρμη; Steph. Byz., s.v. Γέρμη, πόλις Ἑλλησποντία, πλησίον Κυζίκου; Hierocles, *Synec.* 663, Γέρμαι; Notit. Gr. Episc.; Ramsay, *Hist. Geog.*, pp. 127, 155, 460.

the coin of Gordian III., no. 28, which bears the name of a magistrate is from the same obverse die as no. 24, which is without a magistrate's name.

It is more difficult to decide to which of the two towns the whole series should be attributed. M. Waddington appears to be in favour of the attribution to Germe near Pergamum. The finding of inscriptions at or near this place, and its situation on the important road between Pergamum and Thyatira, raise the presumption that it was sufficiently important to have issued coins. A further argument for this attribution may be found in the circumstance that a large coin inscribed ΓΕΡΜΗΝΩΝ* (Caracalla) has the type of Herakles and Telephos, a type that is almost identical with one on a large coin of Pergamum† (Commodus). On the other hand, it may be urged that Germe on the Rhyndacus, though not so near a neighbour to Pergamum as Germe on the Caicus, was nevertheless not so remote from it that it might not have borrowed a coin-type from Pergamum. It may also be pointed out that one of the ΓΕΡΜΗΝΩΝ coins, no. 19, has a type (Dionysos in chariot) which resembles the reverse of a coin of Cyzicus (Imhoof, *Griech. Münzen*, pl. vii. 4; cp. *ib.* pl. vii. 3), the neighbour of the Germe on the Rhyndacus.

Most numismatists (see Borrell in *Num. Chron.*, vi. 154, 155), including the author of the *Historia Numorum* (p. 455), have selected Germe on the Rhyndacus as the mint-place of the coins. The chief reason for this choice appears to be the existence of the coin inscribed ΙΕΡΑ ΓΕΡΜΗ (no. 10). It has not unnaturally been supposed that this specimen belongs to the Germe that is styled by Ptolemy *Ἱερὰ Γέρμνη*. I may observe, however, that strictly speaking the name of the town is given on the *reverse* of the coin

* Waddington, *Voy. en Asie-min.*, p. 73; pl. viii. 6.

† Mion. II., p. 607, no. 608.

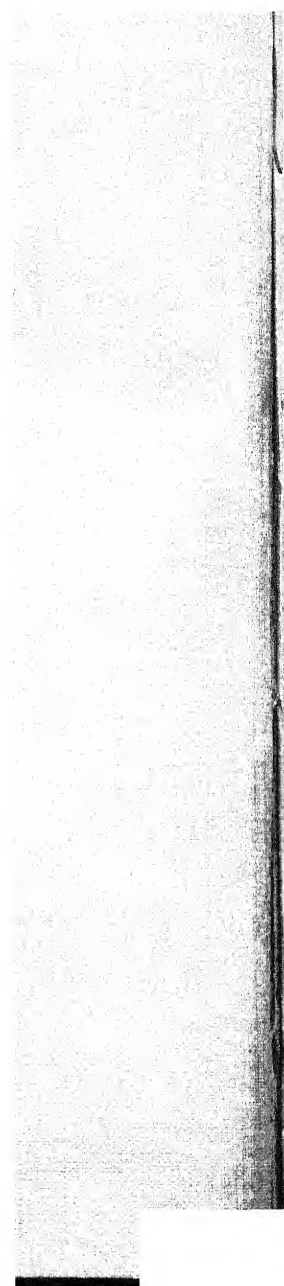
in the inscription ΓΕΡΜΗΝΩΝ. Although the town-name "Hiera Germe" may be implied in the obverse legend, the word ΙΕΡΑ is there not exactly part of the town-name, but an epithet descriptive of the type—the personification of the town Germe.* The legend should be compared with the ΙΕΡΑ CVNKAHTOC and ΙΕΡOC ΔΗΜOC on other coins of the place (nos. 1-5).

On the whole, the data seem to me to be insufficient at present for determining positively to which of the two towns these coins belong. For the solution of the problem we must trust to future finds, and more especially to the identification of the monetary magistrates by means of lapidary inscriptions.

In concluding this Introduction, I am anxious to express my obligations to several living scholars, whose works have been of much assistance to me in the preparation of this volume. I may mention especially the writings of Greenwell, Head, Imhoof-Blumer, W. M. Ramsay, J. P. Six and Waddington. Professor Percy Gardner has kindly placed at my disposal his manuscript description of the British Museum coins of Cyzicus, and of several other Mysian towns, and I have thus had the advantage of comparing it with my own work. I am also indebted for valuable suggestions to Mr. Barclay Head, who has read and collated the proof-sheets with the coins.

WARWICK WROTH.

* Another coin of Germe (Leake, *Num. Hell. As. Gr.*, p. 62), with similar types, has the obverse legend TVXH ΠΟΛΕΩC.



MYSIA.

No.	Metal. Size.	Obverse.	Reverse.
<p>THE ABBAETI.</p> <p>BRONZE.</p> <p><i>Second century B.C.</i></p>			
1	Æ · 8	Head of Zeus r., laur.	<p>ΜΥΣΩΝ Thunderbolt; beneath, ΑΒΒΑΙΤΩΝ Μ: the whole in oak-wreath.</p>
2	Æ · 8	[Pl. I. 1.]	
3	Æ · 8		
4	Æ · 85		(without monogram)
5	Æ · 85		” ”
6	Æ · 7	Head of young Herakles r., in lion's skin. [Pl. I. 2.]	<p>ΜΥΣΩΝ Club l., on handle of ΑΒΒΑ which, lion's skin; beneath, Μ: the whole in oak- wreath.</p>
7	Æ · 6	Female head r.; wearing stephane. [Pl. I. 3.]	<p>ΜΥ Bipennis; in field, Μ ΣΩΝ the whole in oak-wreath. ΑΒΒΑ</p>

No.	Metal. Size.	Obverse.	Reverse.
<p>ADRAMYTEUM.</p> <p><i>Second century, B.C.*</i></p> <p>SILVER.</p>			
1	Æ ·65	Head of Zeus l., laur. [Pl. i. 4.]	<p>ΑΔΡΑΜΥ Eagle l., with wings ΤΗΝΩΝ spread, on thunder- bolt; to l., ΠΡ. (Weight, 42·3 grains: the coin is pierced).</p>
<p>BRONZE.</p>			
2	Æ ·7	Head of Zeus l., laur.: border of dots.	<p>ΑΔΡΑΜ[Υ] Horseman, in chlamys, ΤΗ ΝΩΝ on horse prancing r.; r. hand raised.†</p>
3	Æ ·7	[Pl. i. 5.]	to l., ΤΙ
4	Æ ·4	Male head r., diademed.	ΑΔΡΑ Owl r.
<p>* The fourth century coins of Adramyteum (see Imhoof, <i>Mon. gr.</i> p. 246, and <i>Griech. Münzen</i>, p. 608), are not represented in the British Museum; cp. the coins described under "Iolla" <i>infra</i>.</p> <p>† With the type, compare the coins of Cisthene <i>infra</i>.</p>			

No.	Metal. Size.	Obverse.	Reverse.
<p>CISTOPHORI.</p> <p>Struck at Adramyteum.</p> <p><i>Circ.</i> B.C. 133—67.</p>			
5	Æ 1.	Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	<p>ΔP (mint-mark of Adramyteum) in field l. Two coiled serpents with heads erect; between them a bow case (ornamented with an aplustre) containing a strung bow.</p> <p>above, Π; in field r., eagle l. (Wt. 181.8 grs.)</p>
6	Æ 1.1	[Pl. I. 7.]	<p>„ WW „ cornucopiae „ 170.2 „</p>
<p><i>First century B.C. (time of Mithradates Eupator).</i></p>			
<p>BRONZE.</p>			
7	Æ .8	[Pl. I. 8.]	<p>Head of Apollo l., laur.; quiver at shoulder: border of dots.</p> <p>ΑΔΡΑ ΜΥ TH ΝΩΝ Cornucopiae between twopilei surmounted by stars.*</p>
8	Æ .8		
9	Æ .8		<p>(ΑΔΡΑ ΜΥ THΝΩΝ) in field l., ⚭</p>
<p>* The same type occurs at Amasia, Amisus and Sinope in the time of Mithradates Eupator: see Wroth, <i>B.M. Cat. Pontus, &c.</i>, page xv., no. 4.</p>			

No.	Metal. Size.	Obverse.	Reverse.
<i>Imperial Coinage.</i>			
BRONZE.			
(a. Without heads of Emperors).			
Time of Trajan and Hadrian?			
10	Æ 6	CTP·K·K? Bearded male head r. (Zeus?).	ΑΔΡΑ[ΜΥΤ]ΗΝ ΩΝ Horseman, in chlamys, on horse galloping r.; r. hand raised.
11	Æ 55	(head varied: border of dots). [Pl. I. 6.]	(ΑΔΡΑ: border of dots).
12	Æ 45	Bust of Athena r., wearing helmet and aegis: border of dots.	ΑΔΡΑΜV Owl r.: border of dots.
(b. With heads of Emperors).			
Hadrian (with head of Antinous).			
13	Æ 1·35	ΑΝΤΙΝΟΟC ΙΑΚΧΟC Head of Antinous r., bare. [Pl. I. 9.]	ΓΕCΙΟCΑΝΘΗΚΕ ΑΔΡΑΜΥ ΤΗΝΟ ΙC Figure wearing Per- sian cap, chiton and himation, seated l.; r. raised (holding flower?); in l., sceptre.*
M. Aurelius.			
14	Æ 7	ΑΥΡΗΟVΗ ΡΟCΚΑΙ CAP Head of young Aurelius r., bare.	ΑΔΡΑΜ VΤΗΝΩΝ Telesphorus standing, facing.
<p>* Prof. Percy Gardner has suggested that this figure is Adramys, founder of Adramyteum, son of Alyattes, King of Lydia, and brother of Cræsus: Cp. <i>Rev. Num.</i> viii., p. 83, ff.</p>			

No.	Metal. Size.	Obverse.	Reverse.
Commodus.			
15	Æ 6	ΑΥΤΟΚΡ ΑΚΟΜΟΔ Bust of young Commodus r., laur., wearing paluda- mentum and cuirass.	ΑΔΡΑΜΝ ΤΗΝΩΝ Asklepios standing, facing, head l.; in r., snake-encircled staff.
Sept. Severus.			
16	Æ 1.4	ΣΕΩΒ (inser. obscure). Bust of Sept. Severus r., laur., wearing paludamentum and cui- rass.	ΕΠΙC ΑΔΡΑΜΝΤΗ ΝΩΝ The Emperor on horse r.,; r. hand raised; in ground, in front, captive seated l.
J. Domna.			
17	Æ 8	ΙΟΥΛΙΑ ΣΕΒΑΧΤΗ Bust of J. Domna r.	ΑΔ ΡΑΜ ΝΤΗΝΩΝ Dionysos, in short chiton, standing l.; in r., kantharos; l. on thyrsos.
Caracalla.			
18	Æ 1.3	ΑΥ.ΚΑ.Μ.ΑΥΡ ΑΝΤΩ ΝΕΙΝΟC Bust of young Caracalla r., laur., wearing paludamentum and cuirass. ΑΙ ΑΙ ΕΥ[Τ]Ν ΧΟΥC ΑΔΡΑΜΝΤ[Η] Zeus standing [ΝΩΝ] facing, holding in r. [eagle?], in l., sceptre; beside him, female figure standing, facing; r. upraised crowning Zeus; in l., sword? *
19	Æ 1.4	ΑΥΤΚΜΑΥΡ ΑΝΤΩ ΝΕΙΝΟC Bust of Caracalla r., laur., wearing paludamentum and cui- rass.	ΕΠΙCΤΡΑΤΑΥΡ ΗΑ ΙΟΥ. ΑΔΡΑΜΝΤΗ Persephone, ΝΩΝ standing, looking l., holding in upraised r., ears of corn; in l. torch; to l cippus, on which vase containing ears of corn: in centre of field, pillar? † [Pl. r. 10.]
* This specimen was originally published by Borrell in the <i>Num. Chron.</i> vi., p. 146, no. 1. † This specimen was originally published by Borrell in the <i>Num. Chron.</i> vi., p. 146, no. 2; cp. <i>Mion. sup. t. v.</i> p. 281, no. 29 and p. 282, no. 34.			

No.	Metal. Size.	Obverse.	Reverse.
Severus Alexander.			
20	Æ 1·5	<p>·ΑΥΤΚΡ·Κ·Μ·ΑΥ ΡΕΞΑΝΔΡΟC· Bust of Severus Alexander r., laur., wearing paludamentum and cuirass.</p>	<p>CΤΡΑΥ.... ΔΑΙΟΝ Ποσειδων ΑΔΡΑΜΝΤ with r. hand ΗΝΩΝ extended and holding in l. trident, advancing l. towards female figure (Amyclone), who has fallen on r. knee and looks back at Ποσειδων, holding her peplos over her head with both arms; behind and above Ποσειδων, tree; before him, dolphin? [Pl. r. 11.]</p>
Gordian III.			
21	Æ 9	<p>ΑΥΤΚΜΑΝΤ ΓΟΡΔΙΑΝΟC· Bust of Gordian III. r., laur.</p>	<p>ΑΠΟΛΙΝΑΡ ΙΟΥΑΔΡΑΜΝΤ Ζευc ΤΗ ΝΩ standing l.; N in r., eagle; in l., sceptre.</p>
22	Æ 1·	<p>ΑΥΤΚΜΑΝΤ ΓΟΡΔΙΑΝΟC· Bust of Gordian III. r., laur., wearing paludamentum and cuirass.</p>	<p>ΕΠΙCΤΡΦΗΛΕΙΚΟCΑΔΡΑΜΝΤ ΤΗΝΩ Eagle with spread wings N on globe r., looking back; in beak, wreath.</p>
Philip, jun.			
23	Æ 1·45	<p>ΑΥΤΟΚ·Μ·Ι· ΦΙΛΙΠΠΟΥ Bust of Philip, jun. r., laur., wearing paludamentum and cuirass.</p>	<p>ΕΠΙCΤΡ ΑΥΡ ΦΑΒΙ ΑΝΟΝ[B?] Α ΔΡΑ ΜΥΤΗΝΩΝ Ζευc holding in r., eagle, in l., sceptre, standing l., facing Athena, who stands r. holding in r., Nike; her l. on shield.*</p>

* This specimen was originally published by Borrell in the *Num. Chron.* vi., p. 146, no. 3.

No.	Metal. Size.	Obverse.	Reverse.
		<p style="text-align: center;">ALLIANCE COINS.</p> <p style="text-align: center;">Adramyteum and Ephesus.</p> <p style="text-align: center;">Caracalla.</p>	
24	Æ 1.35	<p>ΑΥΤΟΚΡ·ΚΑΙ· Μ·ΑΥ ΡΗ·ΑΝΤΩΝΕΙΝΟC ΑΥΓ· Bust of Caracalla r., laur., wearing cuirass ornamented with gorgo- neion.</p>	<p>ΕΠΙCΤΡΜΑΡ ΚΙΑΝΟ VΒ·ΑΔΡ ΑΜΥΤ[ΗΝ]ΚΕΦΕCΙΩΝ ΓΝΕ ΩΝ ΩΚΟ Ρ Ω Ν ΟΜ ΟΝ ΟΙΑ</p> <p style="text-align: right;">Statue of Artemis of Ephesus facing, and Zeus standing l., holding in r., eagle; in l., sceptre.</p>
25	Æ 1.4		<p>ΕΠΙCΤΡ ΜΑΡ ΚΙΑΝΟ V ΑΔ ΡΑΜΥΤΗΝΩ ΝΚΑΙΕΦΕCΙΩΝ ΓΝΕ ΟΜΟΝΟΙΑ Ω ΚΟ ΡΩΝ</p>

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<p>APOLLONIA AD RHYNDACUM.</p> <p><i>circ. B.C. 450—circ. B.C. 330.*</i></p> <p>SILVER.</p>				
1	57.9	AR .55	Anchor inverted; to r., cray-fish. [Pl. II. 1.]	Swastika within incuse of the same form.
2	50.	AR .6	Anchor inverted; to r., cray-fish. [B. V. Head, <i>Guide to Coins of Anc.</i> , Pl. x. 22.]	Gorgoneion in incuse circle.
3	50.3	AR .55	[Pl. II. 2.]	
4	44.6	AR .5		
5	50.	AR .6	Anchor inverted; to r., A; to l., cray-fish.	Gorgoneion in incuse circle.
6	48.5	AR .6		
7	49.5	AR .6	[Pl. II. 3.]	
8	48.2	AR .55	(to r., cray-fish; to l., A)	
9	50.6	AR .6	[Pl. II. 4.]	(mouth wide open.)
<p>* The attribution of the coins with the anchor type to Apollonia ad Rhyndacum is due to M. Jan Six (<i>De Gorgone</i>, p. 37, ff.). They had previously been attributed to Abydos (Mionnet, &c.); to Ancore (J. P. Six), and to Astacus, by Dr. Imhoof-Blumer (<i>Monn. Gr.</i> p. 233, f.), who now, however, supports the attribution to Apollonia (<i>Griech. Münzen</i>, (1890) pp. 608, 609).</p>				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Anchor inverted; to r., cray-fish; to l., A	Gorgoneion (less grotesque than no. 9) in incuse circle.
10	51.4	AR .5	[Pl. II. 5.]	
11	43.5	AR .6	[Pl. II. 6.]	(later style; no incuse).
12	43.4	AR .65		
<hr/>				
13	226.4	AR 1.	Head of Apollo l., laur.; hair rolled. [Pl. II. 10.]	Anchor inverted in incuse circle; to r., cray-fish; to l., A, and]EΞIAΞ
14	18.7	AR .4	Head of Apollo r., laur.; hair rolled. [Pl. II. 7.]	Anchor inverted; to r., cray-fish; to l., A and N O
			Head of Apollo, laur., facing; the neck not represented.	Anchor inverted in incuse circle; to r., cray-fish; to l., A
15	19.8	AR .4	[Pl. II. 8.]	
16	1.79	AR .4		to l.,]ΛΛΩ; no incuse.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
BRONZE.				
17		Æ. 7	Apollo seated l. on omphalos; r. hand rests on bow, l. on omphalos. [Pl. II. 9.]	Anchor inverted; to r., cray-fish; to l., A and [N]ΑΥΚΥΔΗΣ
<i>Imperial Coinage.</i>				
BRONZE.				
Nerva.				
18		Æ. 9	ΑΥΤΝΕΡΒΑΚΑΙΣΑ ΡΣΕΒΑΣΤΟΣ Head of Nerva r., laur.	ΑΠΟΛΛΩΝ ΙΑΤΩΝΡΥΝ Apollo, in citharædic dress, standing, looking l.; in r., plectrum; in l. lyre, which rests on tripod. [Pl. II. 11.]
19		Æ. 7	ΑΥΤΝΕΡΒΑΚΑΙ ΣΑ ΡΣΕΒ Head of Nerva r., laur,	ΑΠΟΛΛΩΝ ! * Apollo, naked, r., leaning with l. elbow on pillar; in raised r. hand, bow?
Trajan.				
20		Æ. 95	ΑΥΝΕΡΤΡΑΙΑΝΟΝ ΚΑΙΣΕΓΕ ΡΔΑ Head of Trajan r., laur.	ΑΠΟΛΛΩΝΙΑ ΤΩΝΡΥΝΔΑ Tyche standing l.; in r., rudder; in l., cornucopiae.
<p>* A specimen, probably similar, cited by Mionnet (ii. p. 519, no. 34) from Sestini, is said to read ΑΠΟΛΛΩΝΙΑΤ ΡΥΝΔ .</p>				

No.	Metal. Size.	Obverse.	Reverse.
Faustina, junior.			
21	Æ 1·15	ΦΑΥΣΤΕΙΝΑ ΣΕΒΑΣΤΗ Bust of Faustina, jun. r. [Pl. II. 14.]	ΑΠΟΛΛΩ ΝΙΑΤΩΝ * Apollo naked, l., leaning with r. elbow on pillar; in r. hand, bow; l. hand on hip; to l., tree, round which is coiled the Python with an arrow in his head.
22	Æ 9	ΦΑΥΣΤΕΙ ΣΕΒΑΣΤΗ Bust of Faustina, jun. r.	ΑΠΟΛΛΩ ΝΙΑΤΩΝ Bearded river-god (Rhyndacus), wearing himation over lower limbs, reclining l.; in r., reed; l. rests on urn. [Pl. II. 12.]
L. Verus			
23	Æ 1·3	ΑΥΚΑΙΛΑΥΡΗ ΛΙΟ ΣΟΥΗΡΟΣ Bust of L. Verus r., wearing pa- ludamentum and cuirass; head bare. [Pl. II. 13.]	ΑΠΟΛΛΩΝΙΑΤΩΝ ΠΡΟΣ ΡΥ ΝΔΑΚΩ Apollo, naked, r., leaning with l. elbow on pillar; both arms extended.†






* Professor Percy Gardner, in his MS. description of the coins of Apollonia, has the following note :—" M. Waddington (*Numismatique d'Asie Mineure*, p. 145) says that the only coins which can be attributed to Apollonia ad Rhyndacum are those which bear the indication of the site in their legends: he gives the coins which read only ΑΠΟΛΛΩΝΙΑΤΩΝ, provisionally, to Apollonia Salbace in Caria. We have ventured to dissent from the high authority of M. Waddington in attributing two coins of Faustina, one of Commodus, and one of Caracalla to this Apollonia, though bearing only the legend ΑΠΟΛΛΩΝΙΑΤΩΝ. The types of three of them are Apollo in various attitudes, of the fourth a river-god. These types are at home in the coinage of the city by the Rhyndacus, and not at the Carian city; nor is the fabric Carian. The addition ΠΡΟΣ ΡΥΝΔΑΚΩ is never wanting where the type is the great cultus statue of Apollonia, often figured in a temple: in other cases it seems to be sometimes omitted."

† On the Apollo on this coin and on nos. 19, 24, 25, 28, see Overbeck, *Griech. Kunstmythologie*, 'Apollo,' p. 314; Pl. IV. 41, 42, 43; Pl. V. 1, 2.

No.	Metal. Size.	Obverse.	Reverse.
		Commodus.	
24	Æ 1·05	ΑΥΚΑΙΜΑΥΡΗΛ ΚΟ ΜΜΟΔΟC Bust of Commodus r., laur., wear- ing paludamentum and cuirass.	ΑΠΟΛΛΩΝΙΑΤΩΝ Apollo naked, standing l.; r. foot rests on altar; in r. hand, branch; l. hand rests on hip; before him, raven looking back.* [Pl. II. 15.]
		J. Domna.	
25	Æ 1·2	ΙΟΥΛΙΑ·ΔΟ ΜΝΑ·CΕ ΒΑC Bust of J. Domna r.	ΑΠΟΛΛΩΝΙΑΤΩ ΝΤΡΟCΡΥ ΝΑ Artemis, wearing long chiton and peplos flying behind, advancing l.; in each hand, torch.
		Caracalla.	
26	Æ 1·45	ΑΥΚΑΙΜΑΥΡ ΗΑΝ· ΤΩΝΕΙΝΟC Bust of Caracalla r., laur.	ΑΠΟΛΛΩ ΝΙ ΑΤΩΝ Tetra- ΠΡΥΝΔΑ style temple within which, Apollo naked r., lean- ing with l. elbow on pillar; both arms extended.
27	Æ 1·2	Μ·ΑΥ ΑΝ· Bust of Caracalla r., laur.; wearing paludamentum and cuirass.	ΑΠΟΛΛΩ ΝΙΑΤΩΝ Apollo naked, standing l.; in r. hand, branch; l. elbow rests on tripod.
		Elagabalus.	
28	Æ 1·25	ΜΑΥΡΑΝΤΩΝΙΝΟC ΑΥΓΟΝC ΤΟ Head of Elagabalus, r., laur.	ΑΠΟΛΛΩΝ ΙΑΤΩ ΝΤΡ ΟCΡ ΥΝΔ Apollo naked r., leaning with l. elbow on pillar; both arms ex- tended.

* An identical type occurs on a coin of Commodus of Alexandria Troas: see Overbeck, *Griech. Kunstmyth.*, 'Apollo,' p. 304, no. 102; p. 314; Münztaf. v. 10. See, also, Imhoof, *Griech. Münzen*, p. 609, no. 156; Pl. vi. 20 (Apollonia ad Rhyndacum), and compare the coin of Cyzicus (Commodus), *infra*.

No.	Metal. Size.	Obverse.	Reverse.
Gordian III.			
29	Æ 1.45	ΑΥΚΜΑΝΤ ΓΟΡΔΙΑ ΝΟC Bust of Gordian III. r., laur., wearing paludamentum and cui- rass.	ΑΠΟ ΛΑ ΩΝ ΙΑΤΩΝ Tetra- ΠΡΥΝΔΑ style temple within which Apollo naked r., lean- ing with l. elbow on pillar; both arms extended: in pediment, three paterae. [Pl. II. 16.]
Gallienus.			
30	Æ 1.3	ΠΟΥΛΙΚΙΓΑΛΛΗΝΟ ΝCΕΒΚ Bust of Galli- enus r., radiate; wearing paludamentum and cui- rass.	ΑΠΟΛΛ Ω ΝΙ ΑΤΩΝ Tetra- ΠΡΥΝΔΑΚ style temple within which Apollo naked r., lean- ing with l. elbow on pillar; both arms extended.

No.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">ATARNEUS.*</p> <p style="text-align: center;">BRONZE.</p> <p style="text-align: center;"><i>Third century, B.C. †</i></p>			
		Head of Apollo r., laur.	ATAP Forepart of horse r.; above, coiled serpent.
1	Æ ·7	[Pl. III. 1.]	to r., 
2	Æ ·65		„ 
3	Æ ·65		[to r., monogram ?]
4	Æ ·55		to r., 
		Head of Apollo, r., laur.	A. . Forepart of horse r.
5	Æ ·4		
6	Æ ·4	[Pl. III. 2.]	([AT]A) beneath,  ‡
<p style="text-align: center;">Cn. Asinius, Proconsul.§</p>			
7	Æ ·75	Forepart of horse r.; behind, coiled serpent and  [Pl. III. 3.]	[ΑΣΙΝΙΟΥ] ΑΝΘΥΠΑΤΟΥ ΡΩΜΑΙΩΝ Caduceus.

* On Atarneus, see H. G. Lolling in *Mittheil. d. deutschen arch. Inst.* iv., p. 1 ff.

† For coins of Alexander and Lysimachus attributed by L. Müller to Atarneus, see *Num. d'Alex.*, p. 238, and *Münzen . . . Lysim.*, pl. VIII.

‡ Nos. 5 and 6 have been described by Borrell in *Num. Chron.*, iii. p. 97.

§ Cp. Waddington, *Fastes des prov. As.*, p. 45, no. 17. Cn. Asinius was probably Proconsul of Asia circ. B.C. 79—76.

No.	Metal. Size.	Obverse.	Reverse.
ATTAEA.			
BRONZE			
<i>Imperial Coinage.</i>			
(a. Without heads of Emperors.)			
Period of the Antonines ?			
1	Æ ·75	ΔΗ ΜΟΕ Youthful male head r., diademed (the Demos.)	ΑΤΤΑΙ ΤΩΝ Eagle l., looking back ; holds wreath in beak.
2	Æ ·75	ΙΕΡΑCV ΝΚΑΗΤΟC Youthful male head r. (The Senate.)	ΑΤΤΑ [ΙΤΩ] Ν Youthful male figure, naked, standing r., l. foot raised, resting on rock ; both arms supported by l. knee.*
(b. With heads of Emperors.)			
Augustus.			
3	Æ ·7	ΑΥΤΚΑΙ CΑΡCΕΒ Head of Augustus r., laur.	ΑΤΤΑ ΙΤΩΝ Youthful male bust r., draped (the Senate.)
4	Æ ·7	[Pl. III. 4.]	
Trajan.			
5	Æ ·7	ΑΥΝΕΡΒΑC ΤΡΑΙΑ ΝΟC Head of Trajan r., laur.	ΑΤΤΑ ΕΙΤΩΝ Youthful male bust r., draped (The Senate.)

* A better preserved specimen is described in Imhoof's *Griechische Münzen* (1890), p. 87 = p. 611, no. 161 ; Pl. VI. 24.

No.	Metal. Size.	Obverse.	Reverse.
6	Æ .75	[ΑΥΤΝΕΡΒΑC] ΤΡΑΙΑΝΟC Head of Trajan r., laur.	[ΕΠΙ ΑΝΘ] ΚΟΔΡΑΤ* ΑΤΤΑΕΙ ΤΩ[N] Zeus standing l.; in r., thunderbolt; l. holds sceptre.
Hadrian.			
7	Æ .65	ΤΡΑΝ ΑΔΡΙΑΝ Head of Hadrian r., laur.	ΑΤΤΑ ΕΙΤΩΝ Bust of the Senate r.
Sabina.			
8	Æ .9	ΚΑΒΕΙΝΑ ΣΕΒΑΚΤΗ Bust of Sabina r.	[Α]ΤΤΑΙΤΩΝ Bearded river-god, wearing himation over lower limbs, reclining l.; in each hand, reed; l. arm resting on urn; to l., tree. [Pl. III. 5.]
M. Aurelius.			
9	Æ .6	ΜΑΥΡΗΑΙ[ΟC] ΚΑΙ CΑΡ Head of M. Aurelius r., bare.	ΑΤΤΑ ΙΤΩΝ Bust of the Senate r.
Commodus.			
10	Æ .9	ΑΥΤΟΚΛΑΥ ΡΗΚΟ ΜΟΔ Bust of Commodus r., wearing paludamentum and cuirass.	ΑΤ... ΤΩΝ Bearded river-god, wearing himation over lower limbs, reclining l.; left arm resting on urn; to l., tree.
Sept. Severus.			
11	Æ .7	ΑΥΚΛΑC CΕΥΗΡΟC Head of Sept. Severus r., laur.	ΑΤΤΑ ΙΤΩΝ Asklepios standing facing, head l.; in r., snake-encircled staff.

* C. Antius A. Julius Quadratus was Proconsul of Asia, probably in A.D. 106 (Waddington, *Fastes*, no. 114). Cp. the Pergamene coin of Trajan, *infra*, with his name.

No.	Metal. Size.	Obverse.	Reverse.
12	Æ 1.	<p style="text-align: center;">Caracalla.</p> <p>[AVKAI]MAVP AN TΩNEINOC Bust of Caracalla r., beardless, laur.; wears paludamentum and cuirass.</p>	<p>CTP POVΦOVATT AITΩN Youthful male figure naked, standing r.; l. foot raised, resting on rock; both arms supported by l. knee: facing him, bearded male figure (Zeus or Demos), standing, wearing himation; r. hand outstretched; l. on sceptre. [Pl. III. 6.]</p>
<hr/>			
CISTHENE.			
BRONZE.			
Second century B.C.			
1	Æ 7	<p>Head of Demeter r., veiled and wreathed with corn.</p> <p>[Pl. III. 7.]</p>	<p>KIΞ Horseman wearing chlamys galloping r.; r. hand raised.*</p> <p>beneath, dolphin r.</p>
2	Æ 75		<p style="text-align: center;">" " "</p>
3	Æ 65		<p>(KIΞOH) beneath, bee r.†</p>
<p>* With the type compare the Æ of Adramyteum, <i>supra</i>, p. 2, no. 2, and see introduction, <i>supra</i>, under 'Cisthene.'</p> <p>† This specimen was first published by Borrell in <i>Num. Chron.</i>, vi. p. 149.</p>			

No.	Wt.	Metal. Size.	Obverse.	Reverse.
CYZICUS.				
<i>Seventh and sixth centuries B.C.</i>				
ELECTRUM.				
1	252.98	EL. .8	Tunny upright between two fillets, each ending in ornament (lotus ?) [Pl. III. 20.]	Oblong incuse, containing irregular forms. beside, countermark consisting of a scorpion in a small incuse square* (G. 1)†
2	41.5	EL. .4	Head of fish ‡ l. with spike ; behind, pellet ; above, tunny r. [Pl. III. 8.]	Rude incuse square quartered. (G. 163.)
3	20.3	EL. .3	Head of fish r., with spike ; beneath (tunny l. ?) ; above (tail of tunny ?). [Pl. III. 9.]	Incuse square quartered. (cp. G. 166.)
4	14.3	EL. .3	Two fish-heads l., one above the other, each with spike ; behind, tunny upwards ; above and below fish-heads, pellet. [Pl. III. 10.]	Rude incuse square quartered. (G. 168.)
<p>* This coin is also described in <i>Brit. Mus. Cat. Ionia</i>, p. 9, no. 40.</p> <p>† The letter G, followed by a number, indicates that the coin is the actual specimen described under that number in Mr. Greenwell's <i>Electrum Coinage of Cyzicus</i>, London, 1887; reprinted from <i>Num. Chron.</i> for 1887. All the Cyzicene coins have been re-weighed for the present catalogue, and in some instances the weights differ slightly from those recorded by Mr. Greenwell.</p> <p>‡ According to Imhoof and Keller, <i>Tier- und Pflanzenbilder</i>, Pl. VII. 10, this is the <i>pinna nobilis</i>.</p>				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
5	20·8	EL. ·3	Cock's head r., turned towards head of fish upwards. [Pl. III. 11.]	Rude incuse square.*
6	20·6	EL. ·3	Eagle's head r., with tunny in beak. Head of fish l.	Incuse square quartered. [Pl. III. 12] Incuse square of mill-sail pattern.
7	4·7	EL. ·2	[Pl. III. 13.]	
8	4·8	EL. ·2	beneath, uncertain object.	[Pl. III. 14.]
9	20·7	EL. ·35	Tail of tunny within linear circle. [Pl. III. 15.]	Incuse square of mill-sail pattern.†
10	36·	EL. ·4	Crab (P) holding in claws head of fish, with spike, turned r.‡ [Pl. III. 16.] Dolphin l.; beneath, tunny l.	Incuse square of mill-sail pattern. (G. 158.) Incuse square quartered.
11	41·5	EL. ·4		(G. 157.)
12	40·4	EL. ·45	[Pl. III. 17.]	(G. 157.)
13	20·7	EL. ·35	[Pl. III. 18.]	(G. 157.)
14	20·5	EL. ·3		(G. 157.)

* Published by B. V. Head in *Num. Chron.*, 1887, p. 290, no. 46; Pl. XI. 46, as 'Uncertain': cp. the coin described in G. 156.

† *Num. Chron.* 1887, p. 294, no. 71; Pl. XI. 71.

‡ Cp. the coin in Imhoof and Keller, *Tier- und Pflanzenbilder*, Pl. VII. 8 (cp. *ib.* xxiv. 25, 27), where the type is described as the *pinnoteres antiquorum* holding in its claws the *pinna nobilis*.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
15	21.1	EL. .35	Pecten-shell, hinge down- wards*; beneath, tunny l. [Pl. III. 19.]	Incuse square quartered. (G. 160.)
SILVER.				
16	227.	AR .8	Head of fish (tunny?) l.; above, tail of fish r. [Pl. III. 21.]	Rude incuse square.
17	219.8	AR .8		(Same die.)
ELECTRUM COINAGE.				
<i>Circ.</i> , B.C. 500— <i>circ.</i> B.C. 450.				
18	249.6	EL. .8	Head of Athena, l., wear- ing Corinthian helmet; her hair, represented by dots, hanging in square mass behind: behind type, tunny downwards. [Pl. IV. 1.]	Incuse square of mill-sail pattern.† (G. 26.)
			Head of Athena, l., wear- ing crested helmet with cheek-pieces; the socket for the crest ornamented with a pattern of zigzags and dots: beneath, tunny l.	Incuse square of mill-sail pattern.
19	247.	EL. .8	[Pl. IV. 2.]	(G. 25.)
20	41.2	EL. .4	[Pl. IV. 3.]	(G. 25.)
* For the pecten as a coin-type at Tarentum and elsewhere, see Imhoof and Keller, <i>op. cit.</i> , Pl. VIII. 36, 37.				
† During this period, the small divisions into which the incuse square is divided are more or less irregular in form.				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
21	248.3	EL. .95	Youthful head l. (Helios?)* on circular disk; hair dotted: beneath, tunny l. [Pl. iv. 4.]	Incuse square of mill-sail pattern. (G. 77.)
22	19.7	EL. .3	Male head l. (Triton?) with pointed beard; hair hanging behind, dotted: beneath, tunny.†	Incuse square quartered. [Pl. iv. 6.]
23	243.6	EL. .9	Youthful male head l. (founder Cyzicus?); hair short: beneath, tunny l. [Pl. iv. 5.]	Incuse square of mill-sail pattern. (G. 80.)
24	246.	EL. .8	Male figure (Triton?), naked, with body end- ing in fish's tail, re- clining l. resting on r. arm; l. hand raised, holding wreath; beard pointed: ‡ beneath, tunny l. [Pl. iv. 8.]	Incuse square of mill-sail pattern. (G. 11.)
			Winged female figure (Nike?), running l., head turned back; hair dotted; wears stephane and long chiton, the hem of which she raises with her l.; in extended r., tunny.§	Incuse square of mill-sail pattern.
25	247.6	EL. .8	[Pl. iv. 9.]	(G. 58.)
26	41.3	EL. .45	[Pl. iv. 7.]	(G. 58.)

* Mr. Greenwell describes this head as wearing an earring; but, judging from the British Museum specimen, and from one at Munich (G. 77, Pl. III. 30), the supposed earring would seem to be only a clumsy representation of the ear.

† This 'Twelfth' was first published in the *Num. Chron.*, 1887, p. 294, no. 70; Pl. XI. 70: a stater and hekte with the same type are described in Greenwell's *Cyzicus*, no. 78.

‡ Cp. the figures in Gerhard, *Auserl. griech. Vasenbilder*, iv., Pl. cccxvii.; S. Reinach's *Peintures de Vases Antiques* (1891), Pl. 32, p. 109 (from Millingen).

§ To the references in G. 58, p. 81, add *Bull. corr. hell.*, iii., pp. 396, 397; v. 272.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
27	247.3	EL. .8	Herakles bearded, naked, kneeling on one knee r.; in r., club held overhead; in l., strung bow and two arrows; hair dotted: behind, tunny upwards.	Incuse square of mill-sail pattern. (G. 65.) [Pl. iv. 10.]
			Bearded male figure, naked, kneeling on one knee l.; l. rests on right thigh; r. holds tunny by tail.	Incuse square of mill-sail pattern.
28	248.7*	EL. .8	[Pl. iv. 11.]	(G. 86.)
29	36.9	EL. .4	[Pl. iv. 12.]	(G. 86.)
			Youthful male figure, naked, kneeling on one knee r.; wears taenia; in r., which hangs downwards, knife; on extended l., tunny.	Incuse square of mill-sail pattern.
30	246.4	EL. .85	[Pl. iv. 13.]	(G. 88.)
31	41.	EL. .45	[Pl. iv. 14.]	(G. 88.)
32	40.5	EL. .45		(G. 88.)
			Youthful male figure, naked, kneeling on one knee l.; in r., crested helmet; in l., sword: beneath, tunny l.	Incuse square of mill-sail pattern.
33	246.	EL. .9	[Pl. iv. 15.]	(G. 90.)
34	41.7	EL. .5	[Pl. iv. 16.]	(G. 90.)

* The present weight of the coin is 238.2 grains; a portion has been scraped off the edge for analysis.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
35	248·6	EL. ·85	Forepart of Sphinx, l.; wing curled; r. forepaw raised: beneath, tunny l. [Pl. iv. 17.]	Incuse square of mill-sail pattern. (G. 102.)
36	243·4	EL. ·85	Sphinx, with curled wing, standing l., r. forepaw raised; curled object projecting from back of head; beneath, tunny l. [Pl. iv. 18.]	Incuse square of mill-sail pattern. (G. 99.)
			Lion's scalp, facing: beneath, tunny l.	Incuse square of mill-sail pattern.
37	250·5	EL. ·9	[Pl. v. 1.]	(G. 113.)
38	41·5	EL. ·45	[Pl. v. 2.]	(G. 113.)
39	248·	EL. ·8	Head of lioness l.: behind, tunny upwards.	Incuse square of mill-sail pattern. (G. 115.) [Pl. v. 3.]
40	41·	EL. ·4	Head of lioness facing; in field r., tunny downwards. [Pl. v. 4.]	Incuse square of mill-sail pattern. (G. 116.)
			Lion seated l., r. forepaw raised; mouth open: beneath, tunny l.	Incuse square of mill-sail pattern.
41	246·6	EL. ·75	[Pl. v. 5.]	(G. 105.)
42	41·2	EL. ·45	[Greenwell, <i>Cyzicus</i> . Pl. iv. 35.]	(G. 105.)
43	41·2	EL. ·45	[Pl. v. 6.]	(Cp. G. 105.)
44	21·2	EL. ·4	[Pl. v. 7.]	(G. 105.)

No.	Wt.	Metal. Size.	Obverse.	Reverse.
45	247·	EL. ·75	Lion l., preparing to devour prey: beneath, tunny l. [Pl. v. 8.]	Incuse square of mill-sail pattern. (G. 107.)
46	247·8	EL. ·8	Forepart of lion l., devouring prey: behind, tunny upwards.	Incuse square of mill-sail pattern. (G. 109.) [Pl. v. 9.]
47	247·3	EL. ·75	Ram standing l.: beneath, tunny l. [Pl. v. 10.]	Incuse square of mill-sail pattern. (G. 130.)
48	247·6	EL. ·75	Ram kneeling l., head turned back: beneath, tunny l. [Pl. v. 11.]	Incuse square of mill-sail pattern. (G. 131.)
49	248·2	EL. ·75	Forepart of cock l., with rounded wing: beneath, tunny l. [Pl. v. 12.]	Incuse square of mill-sail pattern. (G. 155.)
50	254·1	EL. ·8	Chimaera seated l.: beneath, tunny l. [Pl. v. 13.]	Incuse square of mill-sail pattern. (G. 119.)
51	247·5	EL. ·75	Forepart of winged bull running l.: beneath, tunny l.	Incuse square of mill-sail pattern. (G. 125.) [Pl. v. 14.]
52	247·8	EL. ·75	Forepart of winged boar running l.: beneath, tunny l. [Pl. v. 15.]	Incuse square of mill-sail pattern. (G. 137.)
53	250·	EL. ·8	Forepart of griffin l., with rounded wing: in front, tunny upwards. (Double-struck). [Pl. v. 16.]	Incuse square of mill-sail pattern. (G. 149.)

No.	Wt.	Metal. Size.	Obverse.	Reverse.
54	248.5	EL. .75	Griffin, with rounded wing, seated l.; r. fore-paw raised: beneath, tunny l. [Pl. v. 17.]	Incuse square of mill-sail pattern. (G. 144.)
<i>Circ. B.C. 450—400.</i>				
55	247.1	EL. .75	Head of Zeus Ammon r., bearded, with ram's horn and ear: beneath, tunny r. [Pl. vi. 1.]	Incuse square of mill-sail pattern. (G. 3.)
56	247.9	EL. .8	Head of Apollo, laur., three-quarter face towards r.; hair short: beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 17.) [Pl. vi. 2.]
57	246.8	EL. .7	Head of Athena l., wearing crested Corinthian helmet; hair in long roll behind: beneath, tunny l. [Pl. vi. 3.]	Inc. sq. of mill-sail pattern. (G. 28.)
58	244.7	EL. .8	Head of bearded Dionysos r., wearing taenia with ivy-wreath: beneath, tunny r. [Pl. vi. 4.]	Inc. sq. of mill-sail pattern. (G. 36.)
59	246.4	EL. .8	Head of bearded Herakles r., wearing lion's skin: beneath, tunny r. [Pl. vi. 5.]	Inc. sq. of mill-sail pattern. (G. 62.)
60	247.1	EL. .75	Youthful male head (Aktæon)* l. with stag's horn: beneath, tunny l. [Pl. vi. 6.]	Inc. sq. of mill-sail pattern. (G. 24.)

* The head of Aktæon occurs also on a gold stater of Lampsacus: see *Zeit. f. Num.* xvii. p. 8, no. 2; pl. I. 12.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
61	244.1	EL. .9	Zeus, laureate, wearing himation over lower limbs, kneeling r.; on l. hand, eagle; r. hand rests on sceptre: beneath, tunny r.	Inc. sq. of mill-sail pattern. (Cp. G. 2.) [Pl. vi. 7.]
62	247.2	EL. .8	Poseidon, wearing over left shoulder chlamys ending in tassel, kneeling r.; on r. hand, dolphin; l. hand holds trident downwards: beneath, tunny r. [Pl. vi. 8.]	Inc. sq. of mill-sail pattern. (G. 6.)
63	247.6	EL. .8	Triptolemos wearing himation that leaves breast and arms bare, standing in chariot drawn r. by two winged serpents; l. hand holds ears of corn; r. rests on wing of serpent: beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 16.) [Pl. vi. 9.]
64	247.8	EL. .85	Apollo, laur., naked, kneeling r., watching the effect of arrow which he has discharged from bow held in l.; his r. arm hangs down by his side: * beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 18.) [Pl. vi. 10.]

* With the pose and action of the figure, compare the Apollo on coins of Sicily (Gardner, *B.M. Cat., Peloponnesus*, p. 42, nos. 77—81; pl. viii. 3; cp. J. P. Six in *Num. Chron.* xvii. n. s. p. 170), and the Artemis on coins of Orchomenus (Gardner, *op. cit.* p. 190, no. 1; pl. xxv. 15). Overbeck (*Griech. Kunstmythologie*, "Apollo," vol. iii. book 5, p. 309, Münztaf. iii. 44 and 45) describes the Apollo as preparing to shoot, but the figure holds no arrow.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
65	247.3	EL. .9	Upper part of female figure clad in sleeveless chiton, rising r. through the ground, and holding in her outstretched arms naked boy wearing crepundia and stretching out his arms r. (Gaia presenting Erichthonios to Athena*): beneath type, tunny r.	Inc. sq. of mill-sail pattern. (G. 31.) [Pl. vi. 11.]
66	248.4	EL. .9	Bearded male figure (Kekrops) l., naked, with body ending in serpent's tail; in r. hand, branch of olive-tree; l. hand placed on side: beneath, tunny l.	Inc. sq. of mill-sail pattern. (G. 32.) [Pl. vi. 12.]
67	247.8	EL. .75	Bearded satyr kneeling r., pouring wine from jar held in l. into kantharos held in r.: beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 42.) Pl. vi. 13.]
68	247.9	EL. .75	Bearded satyr seated r., holding in each hand uncertain object: beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 44.) [Pl. vi. 14.]
69	247.6	EL. .8	Female figure (Nereid) wearing chiton, seated l. on dolphin; in r., wreath; in l., shield: beneath, tunny l.	Inc. sq. of mill-sail pattern. (G. 48.) [Pl. vi. 15.]

* For other representations of this subject, see Roscher, *Lexikon*, art. "Erichthonios;" see also B. V. Head, in *Num. Chron.* 1887, p. 292.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
70	245.4	EL. .75	Nike, winged, wearing peplos over knees and l. arm, kneeling l.; in raised r., aplustre; l. rests on side: beneath, tunny l. [Pl. vi. 16.]	Inc. sq. of mill-sail pattern. (G. 52.)
71	247.	EL. .75	Herakles naked, kneeling r.; in r., club held downwards; on l. arm, lion's skin: beneath, tunny r. [Pl. vi. 17.]	Inc. sq. of mill-sail pattern. (G. 68.)
72	247.	EL. .75	Herakles naked, kneeling r., strangling Nemean lion: beneath, tunny r. [Pl. vi. 18.]	Inc. sq. of mill-sail pattern. (G. 69.)
			Bearded male figure (Orestes), wearing chlamys, kneeling l. beside Delphic omphalos, on which his l. hand rests; in r., drawn sword: beneath, tunny l.	Inc. sq. of mill-sail pattern.
73	248.2	EL. .7	[Pl. vii. 1.]*	
74	38.6	EL. .45	[Pl. vii. 2.]	(G. 72.)

* Published in *Num. Chron.* 1889, p. 257, no. 24, pl. xii. 11. Cp. G. 72.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
75	246·	EL. ·75	<p>Harmodius and Aristogeiton naked, running r.,* back to back; the figure in front (Aristogeiton) holds in r. hand sword with which he is preparing to thrust; his chlamys hangs over his extended left arm: the figure behind (Harmodius) is striking with sword raised in r. hand; in his lowered l. hand, scabbard of sword: ‡ beneath, tunny r.</p> <p>[Pl. VII. 3.]</p>	Inc. sq. of mill-sail pattern. (G. 76.)
76	245·	EL. ·75	<p>Youthful male figure (Taras?) naked, riding l. on dolphin, holding tunny by the tail in r.: beneath, tunny l.</p>	Inc. sq. of mill-sail pattern. (G. 9.) [Pl. VII. 4.]
77	245·9	EL. ·75	<p>Child, naked, seated facing, head r.; rests on l. arm; r. holds tunny by the tail.</p>	Inc. sq. of mill-sail pattern. (G. 89.) [Pl. VII. 5.]
78	246·5	EL. ·8	<p>Naked male figure r. (runner preparing to start in the armed foot-race), in crested helmet, stooping forwards, his r. hand extended; l. holds shield: ‡ in front, tunny downwards.</p> <p>[Pl. VII. 6.]</p>	Inc. sq. of mill-sail pattern. (G. 91.)

* For other representations of these figures, see J. E. Harrison, *Mythology and Mon. of Anc. Athens*, pp. 80-84.

† With this representation of Harmodius, cp. the naked figure with raised sword and scabbard on the **Ο ΔΕΜΟΣ** tetradrachm of Athens, published by Koehler in *Z. f. N.* xii. (1885), p. 103.

‡ With this type, cp. Gerhard, *Auserl. griech. Vasenbilder*, pl. cclxi.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Youthful male figure, naked, in crested helmet, kneeling r., examining arrow held in both hands; strung bow hangs from left wrist: behind, tunny downwards.	Inc. sq. of mill-sail pattern.
79	246.8	EL. .75	[Pl. VII. 7.]	(G. 93.)
80	248.	EL. .9	[Pl. VII. 8.]	(G. 93.)
81	20.	EL. .35	Winged figure? running l., holding tunny by the tail, and sceptre. [Pl. VII. 10.]	Inc. sq. of mill-sail pattern. (G. 60.)
			Forepart of man-headed bull (river-god Gelas?) swimming r.: behind, tunny upwards.	Inc. sq. of mill-sail pattern.
82	246.5	EL. .75	[Pl. VII. 9.]	(G. 51.)
83	41.	EL. .45	[Pl. VII. 12.]	(G. 51.)
84	247.5	EL. .8	Head of bull l.: beneath, tunny l. [Pl. VII. 11.]	Inc. sq. of mill-sail pattern. (G. 124.)
85	245.5	EL. .8	Bull walking l.: beneath, tunny l. [Pl. VII. 13.]	Inc. sq. of mill-sail pattern. (G. 121.)
86	247.1	EL. .85	Bull butting r.; beneath, tunny r. [Pl. VII. 14.]	Inc. sq. of mill-sail pattern. (G. 122.)
87	40.8	EL. .45	Bull kneeling l.: beneath, tunny l. [Pl. VII. 15.]	Inc. sq. of mill-sail pattern. (G. 123.)


No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Head of goat l. : behind, tunny upwards.	Inc. sq. of mill-sail pattern.
88	247·6	EL. ·85	[Pl. VII. 16.]	(G. 134.)
89	19·9	EL. ·35		(G. 134.)
90	40·7	EL. ·45	Sow walking l. : beneath, tunny l. [Pl. VII. 17.]	Inc. sq. of mill-sail pattern. (G. 136.)
			Dog standing l., r. fore- paw raised : beneath, tunny l.	Inc. sq. of mill-sail pattern.
91	40·6	EL. ·4	[Pl. VII. 18.]	(G. 138.)
92	41·2	EL. ·4		(G. 138.)
93	20·7	EL. ·3	Fox l. : beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 142.) [Pl. VII. 19.]
94	247·5	EL. ·8	Pegasus, with pointed wing, flying r. : beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 127.) [Pl. VIII. 1.]
95	247·8	EL. ·8	Kerberos standing l. : he has two heads with a collar round each neck ; his tail ends in head of serpent : beneath, tunny l. [Pl. VIII. 2.]	Inc. sq. of mill-sail pattern. (G. 141.)
96	245·2	EL. ·85	Griffin, with rounded wing, standing l. : r., forepaw raised : be- neath, tunny l.	Inc. sq. of mill-sail pattern. (G. 143.) [Pl. VIII. 3.]

No.	Wt.	Metal. Size.	Obverse.	Reverse.
97	246.8	EL. .8	Griffin, with pointed wing, seated l.: beneath, tunny l.	Inc. sq. of mill-sail pattern. (G. 146.) [Pl. VIII. 6.]
			Forepart of deer l., with rounded wing: beneath, tunny l.	Inc. sq. of mill-sail pattern.
98	41.2	EL. .4	[Pl. VIII. 4.]	(G. 128.)
99	19.2	EL. .3	[Pl. VIII. 5.]	(G. 128.)
100	248.	EL. .75	Netted omphalos of Delphi, on which two eagles with closed wings facing one another:* beneath, tunny r.	Inc. sq. of mill-sail pattern. (G. 22.) [Pl. VIII. 7.]
<i>Circ. B.C. 400—350.</i>				
101	247.6	EL. .8	Head of Demeter (or Kore) l., wearing corn-wreath and veil: beneath, tunny l. [Pl. VIII. 8.]	Inc. sq. of mill-sail pattern.† (G. 12.)

* Cp. Pindar, *Pyth.* iv. 4, ἐνθα ποτὲ χρυσέων Διὸς αἰγῶν πάρεδρος, and the Scholiasts cited by B. V. Head in *Num. Chron.* n.s. xvi., p. 279. The same subject occurs on a sixth century lekythos (no. C. 44) in the British Museum. On this vase the eagles are seated facing on the omphalos (which is not netted); one looks downwards, the other looks back, a variation of pose due probably to artistic reasons. See further as to the omphalos, Prof. J. H. Middleton in *Journal of Hellenic Studies*, ix. (1888), p. 295.

† The incuse squares of the Cyzicenes of this period are usually roughly dotted or grained.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
102	246.3	EL. '8	Head of Aphrodite l., wearing earring, and stephane ornamented with floral device; hair rolled: beneath, tunny l. [Pl. VIII. 10.]	Inc. sq. of mill-sail pattern. (G. 33.)*
103	247.3	EL. '8	Bearded male head r., bald, laur.: beneath, tunny, r.	Inc. sq. of mill-sail pattern.† [Pl. VIII. 9.]
104	245.1	EL. '75	Apollo, wearing himation, seated sideways on swan, l.; in his r., laurel-branch: beneath, tunny l. [Pl. VIII. 13.]	Inc. sq. of mill-sail pattern.‡
			Helios, naked, radiate, kneeling r., holding by the bridles two horses, prancing in opposite directions: beneath, tunny r.	Inc. sq. of mill-sail pattern.
105	248.9	EL. '8	[Pl. VIII. 11.]	(G. 23.)
106	40.3	EL. '45	[Pl. VIII. 12.]	(G. 23.)
<p>* The Cyziciene hette with the head of Atys r., described by Mr. Greenwell (Cyzicus, no. 56) as being in the British Museum, is not in the collection. I believe that Mr. Greenwell has, in this instance, been misled by the description in Brandis, p. 408, of a British Museum coin with the head of Atys, which is in reality a hekte of Phocaea (see Brit. Mus. Cat. <i>Ionia</i>).</p> <p>† Cp. G. 81. Prof. P. Gardner (<i>Types</i>, p. 175) suggests that this curiously realistic head is that of Silenus or Priapus.</p> <p>‡ Cp. G. 21 and <i>Num. Chron.</i> 1890, p. 22, pl. III. 3.</p>				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
107	245.2	EL. .9	Young Dionysos wearing himation over lower limbs, seated l. on rock covered by panther's skin; in outstretched r., kantharos; l. rests on rock; head of thyrsos seen projecting in front of his knees: beneath, tunny l. [Pl. VIII. 14.]	Inc. sq. of mill-sail pattern. (G. 38.)
SILVER.				
Circ., B.C. 480—400.				
			Forepart of running boar l.; behind, tunny upwards.	Head of lion l.; mouth open: in incuse square.*
108	20.	AR .4		
109	19.	AR .45		
110	18.2	AR .45		
111	18.	AR .4		
<p>* M. J. P. Six proposes to attribute this series to Cannus: his arguments (<i>Num. Chron.</i> 1890, p. 255) are well worthy of consideration, but the almost constant presence of the tunny seems to me to give Cyzicus the strongest claim to the coins. The types of a silver coin in the French Cabinet, published in <i>Rev. Num.</i> 1856, vol. i., n. s., pl. II. 4; p. 33 (<i>obv.</i> Head of Atys l. [compare the head on Cyzicene electrum staters]; beneath, tunny l. <i>Rev.</i>  lion's head l.: incuse square); seem to me to furnish another argument for the attribution of these coins to Cyzicus. M. Six (<i>N.C.</i> 1890, p. 256), also assigns to Cannus and not to Cyzicus, the silver staters with <i>obv.</i> Head of Pharnabazus, <i>rev.</i> Prow; beneath, tunny (see Head, <i>Hist. Num.</i> p. 453). The British Museum specimen of this coin is catalogued in Head's <i>Catal. of Coins of Ionia</i>.</p>				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Forepart of running boar l.; behind, tunny up- wards.	Head of lion l.; mouth open : in incuse square.
112	17.9	AR .45	[Pl. ix. 1.]	
113	17.5	AR .45		
114	14.6	AR .4		
115	11.6	AR .4		
116	8.2	AR .35	[Pl. ix. 2.]	
<hr/>				
117	18.4	AR .4	on boar's shoulder, H	
118	12.3	AR .5	„ „ „ E	[Pl. ix. 4.]
119	6.5	AR .4	„ „ „ K	in field l., head of lioness, [Pl. ix. 3.]
120	5.	AR .35		„ „ star.
<hr/>				
121	12.4	AR .35		above, K [Pl. ix. 5.]
122	5.5	AR .3		„ „ [Pl. ix. 6.]
123	6.2	AR .3	(type r.)	„ „ [Pl. ix. 7.]

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<i>Circ. B.C. 400—330.</i>				
			ΞΩΤΕΙΡΑ Head of Kore Soteira l.; wear- ing earring, necklace, corn-wreath, and veil wound round head.	KY II Lion's head, l.; beneath, tunny, l.
124	232.5	AR .9	[Pl. ix. 8.]	behind, bucranium, filleted.
125	228.5	AR .9	[Pl. ix. 9.]	„ head of fish?
126	227.	AR .9		„ owl?
127	229.2	AR .95	[Pl. ix. 10.]	„ star.
128	228.3	AR .9		
129	227.7	AR .95		
130	227.3	AR .9	[Pl. ix. 11.]	
131	47.1	AR .6	[Pl. ix. 12.]	behind, Ξ
<i>Circ. B.C. 330—280.</i>				
			ΞΩΤΕΙΡΑ Head of Kore Soteira l.; wear- ing earring, necklace, stephane, corn-wreath, and veil wound round head; beneath, tunny l.	KY II Apollo, wearing himation over lower limbs, seated l. on omphalos; in extended r., patera; l. elbow is supported by lyre.
132	191.7	AR 1.	[Pl. ix. 13.]	in front, cock l.; behind, A
133	196.1	AR .95		„ ϙ
			[ΞΩΤΕΙΡΑ?] Head of Kore Soteira l.; wearing earring, neck- lace, stephane, corn- wreath, and veil wound round head.	KY I KHN ΩN Lion's head l.; beneath, tunny l.
134	230.3	AR .9	[Pl. ix. 14.]	behind, pecten.
135	233.6	AR .9		„ kantharos.

No.	Metal. Size.	Obverse.	Reverse.
BRONZE.			
<i>Circ.</i> B.C. 400—280, or later.			
		Head of Kore Soteira r., wearing earring, necklace, sphendone, and corn- wreath.	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> K Y Ι Ι </div> <div> Tripod ; above which, radiate disk ; beneath, tunny r. </div> </div>
136	Æ ·7	[Pl. ix. 15.]	to r., plectrum ? *
137	Æ ·7		to r., ☒ ; to l., kantharos.
138	Æ ·65		to r., A
139	Æ ·7		to r., rose ? ; to l., A
140	Æ ·7		(KY ΙΙ) to r., K
141	Æ ·45	(border) [Pl. ix. 16.]	(KY ΙΙ)
142	Æ ·45	"	" "
143	Æ ·5	"	(KY ΙΙ) to r., B
144	Æ ·6	Head of Kore Soteira l. ; wearing earring, necklace, corn-wreath, and veil wound round head. [Pl. ix. 17.]	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> ☼ K Y </div> <div> within wreath (of oak ?). Beneath, </div> </div>
* Cp. the somewhat similar symbol on coins of Corinth, explained by Imhoof-Blumer (<i>Griech. Münzen</i> , p. 554) as the plectrum.			

No	Metal. Size.	Obverse.	Reverse.
145	Æ 65	Tunny l., within corn-wreath,	[K] on l. of wreath, within which, Δ ; Ξ beneath wreath, Δ ? (restruck?)*
<p>(For coins of Alexandrine and Lysimachian types attributed to Cyzicus, see Müller, <i>Num. d'Alex.</i>, nos. 910, 911, and <i>Münzen</i> . . . <i>Lysim.</i>, p. 74.)</p> <p><i>Circ.</i> B.C. 200—100, or later.</p> <p>SILVER.</p>			
146	Æ 1·3	Female head (Apollonis?†) r., wearing diadem, oak-wreath, earring and necklace (double-struck). [Pl. x. 1.]	KY Ξ Flaming torch l.; above, KH Ω N Δ ; beneath, Δ : the whole in oak-wreath, (Weight, 251·7 grains.)
<p>BRONZE.</p>			
		Head of Kore Soteira r., wreathed with corn: border of dots.	K Y within oak-wreath. Ξ
147	Æ 8	[Pl. x. 2.]	in centre of wreath, Δ
148	Æ 7	[Pl. x. 3.]	„ „ Ξ ; beneath wreath, Δ
149	Æ 75		„ „ „ „ „
<p>* On the attribution to Cyzicus of coins of this type, see Imhoof-Blumer, <i>Monn. gr.</i>, p. 244, no. 83. The full inscription is K Y Ξ I</p> <p>† “The beautiful head of this tetradrachm is probably a portrait of Apollonis, a Cyzicene lady who married Attalus I. of Pergamus, B.C. 241-197. After the death of her husband, her sons, Eumenes II. and Attalus, visited Cyzicus with their mother, and after her death they erected there a splendid temple in her honour [Lebas and Waddington, <i>Voy. arch.</i>, <i>Explic. des. Inscr.</i> iii., p. 50]. B. V. Head, <i>Guide to the Coins of the Ancients</i> (3rd. ed.), vi. A. 6. Compare the didrachm in the Berlin Museum with a similar head published by Imhoof, <i>Monn. gr.</i>, p. 243, no. 77: cp. also Imhoof's remarks in <i>Griech. Münzen</i>, p. 613.</p>			

No.	Metal. Size.	Obverse.	Reverse.
		Head of Kore Soteira r., wreathed with corn: bor- der of dots.	K Y within oak-wreath. II in centre of wreath, E
150	Æ 75		
151	Æ 75		” ” TP
152	Æ 7		” ” Y
153	Æ 75		” ” mon.; beneath wreath, M
		Head and neck of bull, r.: border of dots.	K Y within oak-wreath. I I
154	Æ 45	[Pl. x. 4.]	in centre of wreath, Δ
155	Æ 55	[Pl. x. 5.]	” ” Ω
156	Æ 55		” ” TP
157	Æ 5		” ” ”
158	Æ 4		” ” Ω
159	Æ 5	Head of Athena r., hel- meted. [Pl. x. 6.]	KYII Head and neck of bull l.; behind, trident.
160	Æ 75	Head of Kore Soteira r., wreathed with corn. [Pl. x. 7.]	KYIIKHΩN Bull butting l.; beneath, K : in exergue, torch.
		Bull butting r.: border of dots.	KYII Torch, flaming. KHΩN
161	Æ 95		
162	Æ 1.	[Pl. x. 8.]	(Σ for I) to r., ΠK
163	Æ 95		(Z for I) ” Ω
164	Æ 1.		

No.	Metal. Size.	Obverse.	Reverse.
		Head of Apollo r., laur.: border of dots.	KYII KHNOΩN Tripod, surmounted by wreath; beneath, torch.
165	Æ 1·1	[Pl. x. 9.]	to l., M; to r., NE
166	Æ 1·15		„ W
167	Æ 1·15		„ K?; „ KK
<i>Imperial Coinage.</i>			
BRONZE.			
(a. Without heads of Emperors.)			
<i>Circ. B.C. 27—A.D. 98.</i>			
		Bust of Kore Soteira r., wreathed with corn, within wreath of corn.	K Y Torch; ears of corn and Z I poppies issuing from the top.
168	Æ 1·		
169	Æ ·85	[Pl. x. 10.]	
170	Æ ·8	Bust of Kore Soteira r., wreathed with corn, within wreath of corn. [Pl. x. 11.]	K Y Caduceus surmounted by cres- cent; to r., R: whole in laurel-wreath.
171	Æ ·65	Bust of Kore Soteira r., wreathed with corn, within wreath of corn.	K Y Telesphoros standing facing. Z I [Pl. x. 12.]

No.	Metal. Size.	Obverse.	Reverse.
172	Æ 55	Bust of Kore Soteira r. ?	K Y Lyre. I I
173	Æ 55	Bust of Apollo r., laur.	Similar. [Pl. x. 13.]
174	Æ 5	Similar.	Similar.
<i>Circ. A.D. 98—211.</i>			
175	Æ 1.6	KOPHCΩTEIPA KVZ IKHNΩN Bust of Kore Soteira r., wearing necklace and corn-wreath. (head assimilated to por- trait of Faustina II.) [Pl. xi. 1.]	NEOKOPΩN Young male figure, KVZIKHNΩN reclining l. under tree; hair long; wears chiton and himation; in r. hand, patera; l. arm rests on cista: to l., the Em- peror (M. Aurelius) in military dress, standing r., holding in r., patera, and in l., spear: to r., male figure in short chiton standing l., playing on lyre: in exergue, bull l., head lowered, approaching flaming altar.
176	Æ 1.35	KOPHCΩTEIPA KVZ IKHNΩN Bust of Kore Soteira r. (as on no. 175).	KVZIKH NΩN Galley l. with NEOKOPΩN steersman and rowers; in stern, two standards.
177	Æ 1.3	KOPHCΩTEIPA KVZ IKHNΩN Bust of Kore Soteira r. (as on no. 175).	KVZIKHN Galley r. with steers- ΩN man and rowers; Tri- NEOKO ton, blowing conch, seated on prow; in stern, two standards. [Pl. xi. 2.]
		KOPHCΩ TEIPA Bust of Kore Soteira r., wear- ing corn-wreath (head assimilated to portrait of Faustina II.).	KVZI K HNΩN Eagle l. on cista, looking back, holding wreath in beak; wings spread.
178	Æ 7		
179	Æ 75	(KOPH CΩTIPA.) [Pl. xi. 3.]	(KVZIKH NΩN) (Eagle stands on palm.)

No.	Metal. Size.	Obverse.	Reverse.
180	Æ 1·25	KV ZIKOC Head of the founder Cyzicus r.; beardless, diademed.	KVZIKHNΩ N N ΕΟΚΟΡ Zeus standing r., naked; in raised r., thunderbolt; on extended l. arm, eagle. [Pl. xi. 4.]
181	Æ 1·05	KVΣI KOC Head of the founder Cyzicus r.; beardless, diademed.	KVΣIKHNΩN NEOKOPΩN Zeus, naked, standing looking l.; in extended r., patera; in lowered l., thunderbolt. [Pl. xi. 5.]
182	Æ 1·05	KVΣI KOC Head of the founder Cyzicus r.; beardless, diademed * [Pl. xi. 6.]	KVΣIKHNΩN NEOKOPΩN Poseidon, naked, standing l.; r. foot on rock; in r., dolphin; in l., trident.
183	Æ 1·05	KVZ IKOC Head of the founder Cyzicus r.; beardless, diademed.	KVZIKHN ΩNNEOKOP Ares standing looking r.; wears helmet and cuirass; in r. hand, spear; l. hand on shield.
184	Æ 1·15	KV ZIKOC Head of the founder Cyzicus r.; beardless, diademed.	KVZI KH NΩNN ΕΟΚΟΡΩN Circular building with door; on the summit, three female figures, each holding two torches; on each side of building, flaming torch entwined by serpent. [Pl. xi. 7.]
185	Æ 1·35	KV ZIKOC Head of the founder Cyzicus r.; beardless, diademed. [Pl. xi. 8.]	KVZIKHNΩ NN ΕΟΚΟΡΩN Two flaming torches entwined by serpents whose two heads almost meet; between torches, flaming altar.
186	Æ ·7	KVΙI KOC Head of the founder Cyzicus r.; beardless, diademed.	KV Capricorn r. [Pl. xi. 9.] ΙΙ

* A similar coin in *Mion.* ii., p. 533, no. 129, is described as being counter-marked with the head of Trajan.

No.	Metal. Size.	Obverse.	Reverse.
187	Æ ·65	KVZI KOC Head of the founder Cyzicus r.; beardless, diademed.	KV within laurel-wreath. II
188	Æ ·65	KV ZIKOC Head of the founder Cyzicus r.; beardless, diademed.	KVZIKH NΩN Stork standing r. [Pl. xi. 10.]
189	Æ ·7	KV [ZI]KOC Head of the founder, Cyzicus r.; beardless, diademed.	KVZIKH NΩN Two tunnies, r. and l. [Pl. xi. 11.]
190	Æ ·7	KV ZIKOC Head of the founder, Cyzicus r.; beardless, diademed.	KVZI KHN Oenochoë l.
191	Æ ·65	KV ZIKOC Head of the founder, Cyzicus r.; beardless, diademed.	KV ZI K HN Diota. [Pl. xii. 1.]
192	Æ ·7	Head of Kore Soteira r., wreathed with corn.	KVZIK HNΩN Diota.
193	Æ ·75	Head of Kore Soteira r., wreathed with corn. [Pl. xii. 2.]	KVZI KHΩΩ Triton l., holding in r., conch; in l., rudder.
194	Æ ·75	Bust of Kore Soteira r., wreathed with corn. [Pl. xii. 3.]	KVΣI KHNΩN Capricorn r.
195	Æ ·6	Bust of Kore Soteira r., wearing taenia.	KYZI CΩTI Caduceus. [Pl. xii. 4.]

No.	Metal. Size.	Obverse.	Reverse.
196	Æ ·6	Bust of Hermes r., wearing winged petasus.	KVΙΙ KHN Caduceus, winged.
197	Æ ·6		
Circ. A.D. 211.—253.			
198	Æ 1·1	KV ZIKOC Head of the founder, Cyzicus r.; beardless, diademed.	KVZIKH ΝΩΝ ΔΙΕΝΕΟΚΟ Two flaming torches, each entwined by serpent who feeds on fruit attached to torch. [Pl. XII. 5.].
199	Æ 1·1	KV ZIKOC Head of the founder, Cyzicus r.; beardless, diademed.	KV ZIKHΝΩΝ ·Β· ΝΕΟΚΟΡ ΩΝ Two temples seen in perspective. [Pl. XII. 6.]
200	Æ ·75	KOPH ΩΤΕΙΡΑ Bust of Kore Soteira r., wearing necklace and wreath of corn. [Pl. XII. 7.]	KVZIKHΝΩΝ ·Β· ΝΕΟΚΟ Panther r., placing l. forepaw on vase.
201	Æ ·75	KOPH ΩΤΕΙΡΑ Bust of Kore Soteira r., wearing wreath of corn.	KVZIKHΝΩ ΝΑΙΕΝΕΟΚ Hygieia standing r., feeding serpent from patera held in l.
202	Æ ·8	K O P H Bust of Kore Soteira r., wearing wreath of corn. [Pl. XII. 8.]	KVΙΙΚHN ΩΝΕΟ Serpent coiled r., feeding from flaming altar.*

* The same reverse type occurs on a Cyzicene coin with the head of Trajan.

* The same reverse type occurs on a Cyzicene coin with the head of Tranquillina, described *infra*.

No.	Metal. Size.	Obverse.	Reverse.
A.D. 253—270.			
203	Æ .95	KV ZIKOC Head of the founder, Cyzicus r.; beardless, diademed: beneath, serpent.	ΑΣΚΛΗΠΙΑΔΟΥ ΚΥΖΙΚΗΝΩΝ ΝΕΟΚ Nemesis, winged, standing l., wearing helmet, chiton and peplos; r. hand on rudder; at her feet, wheel.*
204	Æ 1.05	KV ZIKOC Head of the founder, Cyzicus r.; beardless, diademed.	ΣΤΡΑΤΟΛ[ΛΩ]ΝΙΔΟΥ ΚΥΖΙ ΚΗ ΝΩΝ ΝΕΟΚΟΡΩΝ He- phaistos seated r., forming some object on anvil with hammer.
205	Æ .9	KVZI KOC Head of the founder, Cyzicus r.; beardless, diademed: beneath, serpent.	ΣΤΡΑΒΑΣΙΛΕΩΣ ΚΥ[ΖΙ]ΚΗ ΝΩ Two flaming ΝΕΟΚΟ torches entwined by serpents, whose two heads meet; between torches, lighted altar.
206	Æ .9	KVZI KOC Head of the founder, Cyzicus r.; beardless, diademed.	ΚΥΖΙΚΗΝ ΩΝ ΔΙΟΝΕΟΚΟΡ Two flaming torches entwined by serpents whose two heads meet; between torches, lighted altar. [Pl. XII. 9.]
207	Æ .95	(Σ for Ζ)	(ΚΥΖΙ ΚΗ ΝΩΝΒ ΝΕΟΚΟΡ)
208	Æ .9	KVZI KOC Head of the founder, Cyzicus r.; beardless, diademed; beneath, serpent.	ΚΥ ΖΙΚΗ ΝΩΝΔ within laurel-wreath. ΙCNEO [Pl. XII. 10.] ΚΟ

* First published in *Num. Chron.* 1889, p. 257, no. 25: the same magistrate's name occurs on Cyzicene coins with the head of Gallienus (*Mion.* Sup. t. v., p. 353, nos. 460, 461).

No.	Metal. Size.	Obverse.	Reverse.
209	Æ 1·1	ΚΟ ΡΗ ΣΩΤΕΙΑΡ (sic) Bust of Kore Soteira r., wreathed with corn.	ΚΥΖΙΚΗΝΩΝ Δ ΙΚΝΕΟΚΟΡ ΩΝ Tyche standing l.; in r., rudder; in l., cornucopiae.
(b. With heads of Emperors.)			
Augustus.			
210	Æ ·55	Head of Augustus r., bare. [Pl. XII. 11.]	Κ Υ ΤΟΡΗ ΦΛΑΜΙΝΓ: whole in Ι Ι wreath of corn.
Domitian.			
211	Æ ·95	ΑΥΤ·ΔΟΜΙ·ΚΑΙ·ΕΛΑΡΕ ΕΒΓΕΡ Head of Domi- tian r., laur.	ΔΟΜΙΤΙΑΣΕ ΒΑΣΤΗΚΥΖΙΚΗ Bust of Domitia l.
Trajan.			
212	Æ ·75	ΑΥΤΝΕΡΤΡΑΙΑΝΟΚ ΑΙΣΕΒΓΕΡ Head of Trajan r., laur.	ΕΠΙΦΟΥΣ ΚΟΥΚΥΣΙ* Demeter, wearing chiton and peplos, advancing r., holding in each hand, torch.
Hadrian.			
213	Æ 1·05	ΑΥΤΟΚΡΑΚΑΙΣΑ ΡΑ ΤΡΑΙΑΝΑΔΡΙΑΝΟΝ Bust of Hadrian r., wear- ing paludamentum and cuirass.	ΕΠΙ·ΣΤΡΑ·ΑΠΟ Υ·ΣΑΒΕΙΝΟΥ Κ Υ ΤΥΧΗ ΣΤΑΝΔ- Σ Ι ing l.; in r., rudder; in l., cornucopiae.

* Fuscus was Proconsul of Asia under Trajan, before the end of A.D. 102.
(see Waddington, *Fastes*, no. 111).

No.	Metal. Size.	Obverse.	Reverse.
		(Antoninus).	
214	Æ 95 (inser. obscure). Head of Antoninus l., bare.	AP. . . VN . . . (inser. obscure). KYZI Antoninus stand- ing r.; r. hand raised; behind him, horse r.*
		Antoninus Pius.	
		ΑΥΚΑΙΤΙΑΙΑΔΡΙ ΑΝΤΩΝΕΙΝΟC Bust of Antoninus Pius r., wear- ing paludamentum and cuirass; head bare.	NE OKO PΩN Demeter, hold- KVΪIKH NΩN ing torch in each hand, standing in chariot drawn r. by two serpents.
215	Æ 1·35	[Pl. XII. 12.]	
216	Æ 1·25		(ΕΠΙΛΥΔΟΥ ΝΕΟΚΟΡΩΝ KVΪIKH NΩN type l.)
217	Æ 85	ΑΥΚΑΙΤΙΑΙΑΔΡΙ ΑΝΤΩΝΙΝΟC Head of Antoninus Pius r., bare. [Pl. XII. 13.]	KVΪIKH NΩN Youthful male figure (the founder Cyzicus†) stand- ing l.; in r., spear; on l. arm, chlamys.
218	Æ 1·05	ΑΥΚΑΙΑΔΡΙ ΑΝΤΩΝΕΙΝΟC CEB Bust of Antoninus Pius r., wearing paludamentum; head bare. [Pl. XII. 14.]	KVZI K H NΩN Octastyle NEΩKOPΩN temple.

* Cp. *Mion.* ii., p. 539, no. 174; sup. t. v., p. 318, no. 227.

† Cp. *Mion.* sup. t. v., p. 319, no. 232 (Cyzicus seated); Greenwell, *Cyzicus*, p. 92, no. 80, Pl. iv. 1, and p. 21, no. 23, *supra*, of this *Catalogue* (head of Cyzicus?); p. 42, no. 185, *supra* (head of Cyzicus); coin of Commodus, *infra* (Cyzicus with horse); Alliance coin of Antoninus Pius, *infra* (Cyzicus grasping hand of Ephesus). See further, E. Babelon (in *Rev. num.* 1891, pp. 31-35), who suggests that the type of the standing figure (as on our no. 217) reproduces an actual Cyzicene statue of Cyzicus as κτιστής (cp. *Corpus inser. graec.*, no. 3667).

No.	Metal. Size.	Obverse.	Reverse.
219	Æ 75	ΑΥΤΚΑΙΑΔΡ ΑΝΤΩ ΝΕΙΝΟCCEB Head of Antoninus Pius r., bare.	KVZIK HΝΩΝ Caduceus, winged. [Pl. XII. 15.]
220	Æ 1.	ΑΥΚΑΙΤΑΙΑΔΡΙΑ ΑΝ ΤΩΝΕΙΝΟC Head of Antoninus Pius r., bare.	NEOKO Galley l. with rowers KVZIKH and steersman; on prow, Triton l., blowing conch; in stern, two aquilae. [Pl. XII. 16.]
M. Aurelius.			
221	Æ 85	ΑΥΡΗΛΙΟCΒΗ ΡΟC ΚΑΙCΑΡ Bust of M. Aurelius r., draped; head bare and beardless.	KVZI KHNΩΝ Tyche of Cyzicus, turreted, seated l. on rock; in r., rudder; l. rests on rock.
222	Æ 9	Μ·ΑΥΡΗ[ΛΙΟC] ΟΥ Η·ΚΑΙCΑΡ Bust of M. Aurelius r., wearing paludamentum and cui- rass; head bare and slightly bearded.	KVZIKH ΗΩΗ ΝΕΟΚΩ Tyche of Cyzicus, turreted, seated l. on rock; in extended r. hand short staff; l. hand rests on rock: r. foot placed on swimming figure of river-god. [Pl. XIII. 1.]
223	Æ 9	ΑΥ·ΚΜΑΥ· ΑΝΤΩΝΕ ΙΝΟC Head of M. Aurelius r., bare and slightly bearded.	KVZI KHNΩΝ Flaming torch, entwined by serpent, on base. [Pl. XIII. 2.]
224	Æ 9	ΑΥΚΑΙ·Μ·ΑΥΡΗ ΑΝΤ ΩΝΕΙΝΟ Head of M. Aurelius r., bare and slightly bearded. [Pl. XIII. 3.]	KVZI KHNΩΝ Young Dionysos, wearing himation over lower limbs, seated l. on throne; with r. hand holding out food to panther leaping up before him; l. hand rests on throne.

No.	Metal. Size.	Obverse.	Reverse.
Faustina II.			
225	Æ 1·1	ΦΑΥΣΤΕΙΝΑ ΣΕΒΑΣΤΗ Bust of Faustina II. r.	ΚΥ ΖΙΚΗΝΩΝ ΝΕΟΚΟ Demeter, holding torch in each hand, standing in chariot drawn r. by two horses, galloping.
226	Æ 1·05	ΦΑΥΣΤΕΙΝΑ ΣΕΒΑΣΤΗ Bust of Faustina II. r. [Pl. XIII. 4.]	ΚΥΖΙΚΗΝΩ Ν ΝΕΟΚΟΡΑ Artemis huntress advancing r.; in l., bow; r. draws arrow from quiver.
227	Æ 1·1	ΦΑΥΣΤΕΙΝΑ ΣΕΒΑΣΤΗ Bust of Faustina II. r.	ΚΥΖΙΚΗΝΩΝ ΝΕΟΚΟΡΩΝ Tyche standing, looking l.; in r., rudder; in l., cornucopiae.
L. Verus.			
228	Æ 1·35	ΑΥ·ΚΑΙ·Λ·ΑΥΡΗ ΛΙΟ C·ΟΥΗΡΟC Bust of L. Verus r., wearing paludamentum and cuirass; head bare.	ΚΥΖΙΚΗΝΩΝ ΝΕΟΚΟΡΩΝ Demeter, holding torch in each hand, standing in chariot drawn r. by two horses, galloping.
229	Æ 1·4	ΑΥ·ΚΑΙ·Λ·ΑΥΡΗ ΛΙΟ C·ΟΥΗΡΟC Bust of L. Verus r., wearing paludamentum and cuirass; head bare.	ΚΥΖΙΚΗΝΩΝ ΝΕΟΚΟΡΩΝ Galley l. with rowers and steersman; on prow, Triton l. blowing conch; in stern, two aquilae.
Commodus.			
230	Æ 1·1	[ΛΑΥΡ]ΚΟΜΟΔΟC Κ ΑΙCΑΡ[ΓΕΡ] Bust of Commodus r., wearing paludamentum; head bare and beardless.	ΚΥΙ ΙΚΗΝ ΩΝΝ [Ε]Ω within laurel-wreath.

No.	Metal. Size.	Obverse.	Reverse.
231	Æ 1·1	ΛΑΥΡΚΟΜΟΔΟΣ ΚΑΙ Bust of Com- modus r., wearing paluda- mentum; head bare and beardless.	ΚΥ within laurel-wreath. ΙΚΗ ΝΩΝ ΝΕ
232	Æ ·9	[Pl. XIII. 5.]	
233	Æ ·95	(same die)	(ΚΥΖΙ ΚΗΝΩΝ)
234	Æ ·85	ΑΥΚΛΑΥ ΚΟΜΟΔΟΣ Bust of Commodus r., laur., wearing paludamen- tum; beardless.	ΚΥΖΙ ΚΗΝΩΝ Flaming torch entwined by serpent and by ears of corn and poppies, on base. [Pl. XIII. 6.]
235	Æ 1·2	ΑΥΚΛΑΥΡΗ ΚΟΜΟΔ ΟC Bust of Commodus r., laur., wearing paluda- mentum; beardless.	ΚΥΖΙΚΗ ΝΩΝ ΝΕΟΚΟΡΩΝ Circular building with door; on the summit, three female figures each holding two torches; on each side of building, flaming torch entwined by serpent.
236	Æ 1·4	ΑΥ·ΚΑΙ·Α·ΑΥΡ· ΚΟΜ ΟΔΟΣ·ΓΕΡ· Bust of Commodus r., laur., wear- ing paludamentum and cuirass; beardless. [Pl. XIII. 7.]	ΕΠΙ·ΑΡΧ·ΚΑΙΚΙΑ·ΑΛΥΤΙΑΝΟV ΚΥΖΙΚΗΝΩΝ Young ΝΕΟΚΟ male figure reclining l. under tree; hair long; wears chiton with sleeves and hima- tion, both garments ornamented with stars; in r. hand, patera; l. arm rests on cista.*

* This specimen was originally published by Borrell in the *Num. Chron.* vi. p. 151, no. 7. With the reverse type, compare no. 175, *supra*.

No.	Metal. Size.	Obverse.	Reverse.
237	Æ 1·7	ΑΥ·ΚΑΙ·Λ·ΑΙ·ΑΥ·ΚΟΜ ΜΟΔΟC·ΑΥΓ·CΕΒ· ΕΥC·ΕΥΤ·ΡΩΜΑΙΟ C·ΗΡΑΚΛΗC· Bust of Commodus l., laur., bearded; wearing lion's skin over shoulders.	ΕΠΙ·ΑΡΧ·Τ·ΑΙ·Λ·ΕΤΕΩΝΕΩC·ΚΥ ΖΙΚΗΝΩΝ ΝΕΩΚ Demeter wearing chiton and peplos, advancing r.; in each hand, torch; in front, lighted altar. [Pl. XIII. 8.]
238	Æ 1·7	ΑΥ·ΚΑΙ·Λ·ΑΙ·ΑΥ·ΚΟΜ ΜΟΔΟC·ΑΥΓ·CΕΒ· ΕΥC·ΕΥΤ·ΡΩΜΑΙΟ C·ΗΡΑΚΛΗC· Bust of Commodus l., laur., bearded; wearing lion's skin over shoulders. (Same die as no. 237.) Pl. XIII. 11.]	ΚΥΖΙΚΗΝΩΝ ΝΕΩ Youthful ΚΟΡΩΝ male figure (the founder Cyzicus*) holding spear and chlamys in l., standing, facing, looking l. and placing r. hand on head of saddled horse, which ad- vances r.
239	Æ 1·05	ΑΥΚΑΙΜΑΥΡ ΚΟΜΜ ΟΔΟC Bust of Com- modus r., laur., bearded; wears paludamentum and cuirass.	ΚΥΖΙΚΗΝΩΝ ΝΕΟΚΟΡΩΝ Apollo, naked, standing r.; l. foot rests on omphalos; in r. hand, branch; l. hand rests on knee; before him, (raven ?)†
240	Æ 1·45	ΑΥΚΑΙΜΑΥΡΗ ΚΟΜ ΜΟΔΟC Bust of Com- modus r., laur., bearded; wears paludamentum and cuirass.	CΤΡΑΤ·ΝΑΙΒ·ΚΥ ΙΝΤΟΒ·ΚΥ ΖΙΚ ΝΕΟΚΟΡΩ Ν Young Dionysos, naked, seated l. on panther walking r.; Dionysos looks r.; in r. holds thyrsos; l. rests on panther's neck. [Pl. XIII. 9.]

* Cp. p. 47, *supra*, note †.

† A similar specimen is published by Overbeck, *Griech. Kunstmythologie*, Münztaf. v. 9; p. 304, no. 101; p. 314, who describes the Apollo as holding the gorgoneion as well as the branch, but the supposed gorgoneion is probably only an abrasion of the surface. With the attitude of the figure, cp. no. 24, p. 12, *supra* (Apollonia ad Rhyndacum), and note, *ib.*

No.	Metal. Size.	Obverse.	Reverse.
241	Æ 1·05	ΑΥΚΑΙΜΑΥΡΗ ΚΟΜ ΜΟΔΟΣ Bust of Com- modus r., laur., bearded; wears paludamentum and cuirass.	ΚΥΖΙ ΚΗΝ ΝΕΟ ΚΟΡΩ Octa- N style temple. [Pl. XIII. 10.]
242	Æ ·9	ΑΥΚΑΙΜΑΥΡ ΚΟΜ ΜΟΔΟΣ Bust of Com- modus r., laur., bearded; wears paludamentum and cuirass.	Calf walking. ΚΥΖΙΚΗ (Type l.)
243	Æ ·9		ΚΥΖΙΚΗΝΩΝ (Type r.)
244	Æ ·95		ΚΥΖΙΚΗ ΝΩΝ (" ")
245	Æ 1·	ΑΥΚΑΙΜΑΥΡ ΚΟΜ ΜΟΔΟΣ Bust of Com- modus r., laur., bearded; wears paludamentum and cuirass.	ΚΥΖΙΚΗΝΩΝ Galley with rowers ΝΕΟΚΟΡ and steersman. (Type l.)
246	Æ 1·		(ΚΥΖΙΚΗΝΩ Ν ΝΕΟΚΟΡ) (Type r.)
Septimius Severus.			
247	Æ 1·3	ΑΥΚΑΙΛΣΕΠΤΙΣΕΩΝ ΗΡΟΣ Bust of Sept. Severus r., laur.; wearing paludamentum and cuirass.	ΣΤΡΑΛΛΦΜΟΔΕ[ΣΤΟ]ΥΚΥΖ ΙΚ ΑΙΧΗΠΟΣ The Emperor in military dress advancing l. to crown trophy; in l., sceptre and paludamentum; at foot of trophy river-god (Aisepos) reclining r., r. elbow resting on urn.* [Pl. XIV. 1.]

* This specimen, formerly in the Burgon collection, was first published by Sestini, *Lett. di cont.*, iv. p. 75; Pl. VI. 6, (= *Mion. sup. t. v.* p. 338, no. 365).

No.	Metal. Size.	Obverse.	Reverse.
248	Æ 1·1	ΑΥΚΑΙΛΑΕΠΤΤΣΕΩΝ ΗΡΟΠΕΡΤΙ[Σ]ΕΒ Bust of Sept. Severus r., laur., wearing paludamen- tum and cuirass.	KVZI within laurel-wreath. KHΝΩ NNEO KO
Julia Domna.			
249	Æ 1·15	ΙΟΥΛΙΑ ΣΕΒΑΚΤΗ Bust of J. Domna r.	KV ZIKHNΩ N Demeter, NEOKOP holding torch, standing in chariot drawn r. by two horses, galloping.
Caracalla.			
250	Æ 1·1	ΑΥ·ΚΑΙ·Μ·ΑΥ· ΑΝΤΩ NEINOC Bust of Cara- calla r., laur., beardless; wears paludamentum and cuirass.	KV within laurel-wreath. ZIKH NΩNN ΕΩΚ
		ΑΥΚΑΙΜΑΥΡΗ ΑΝΤΩ NEINOC Bust of Caracalla r., laur., beard- less; wears paludamentum and cuirass.	KVZIKH NΩN NEOKOP Two flaming torches entwined by serpents, whose two heads meet; between torches, flaming altar.
251	Æ 1·05	[Pl. xiv. 2.]	
252	Æ ·9	(same die as last coin)	
253	Æ 1·1	(ΑΥ instead of ΑΥΡΗ)	(KVZIKHN ΩN NEOKOP No altar).
254	Æ ·85	ΑΥΚΑΙΜΑΥΡ ΑΝΤΩ NEINOC Bust of Cara- calla r., laur., beardless; wears paludamentum and cuirass.	KVZIKH NEOKO Flaming torch entwined by serpent, on base. [Pl. xiv. 3.]
255	Æ ·85	ΑΝΤΩΝΙΝΟC ΑΥΓΟ VCTOC Head of Cara- calla r., laur., bearded.	KVZIKHΩNΔ ΙCNEOKOPΩN Flaming torch entwined by serpent.

No.	Metal. Size.	Obverse.	Reverse.
Plautilla.			
256	Æ 1·05	ΦΟΝΑΒΙΑΠΛΑΥΤΙΛΛΑ ΑCΕΒΑ Bust of Plau- tilla r.	KVZIKHNΩ N NEOKO Galley r., with rowers and steers- man.
Geta.			
257	Æ ·9	ΑCΕΠΤΙΓΕ ΤΑCΚΑΙ CΑ Bust of Geta r., wearing paludamentum and cuirass; head bare and beardless. [Pl. xiv. 4.]	KVΙΙΚΗ Calf walking r. NΩN
258	Æ ·65	ΠCΕΠΤ ΓΕΤΑCΚ Bust of Geta r., wearing palu- damentum and cuirass; head bare and beardless.	KV ZIKH within laurel-wreath. NΩN
Macrinus.			
259	Æ 1·35	ΑVΚΑΙΜΟΤΕΛCΕΩV ΗΡΜΑΚΡΕΙΝΟCCE Bust of Macrinus r., laur., wearing cuirass. [Pl. xiv. 5.]	ΕΠΙCΤΡΑΟVΑΡΦΟΙΒΟVΚVΙ ΙΚΗ NEOKOPΩN In the foreground, four naked male figures racing r., each with r. hand upraised and carrying shield (?) on back; behind them, on l., two torches, each entwined by serpent; in the background, two horsemen racing r.
260	Æ ·9.	[ΑVΚΑΙ ?]ΜΟΤΕΛCΕ ΟVΗΡΜΑΚΡΕΙΝΟC [CΕ ?] Bust of Macrinus r., laur., wearing cuirass.	KVZIKHNΩN Galley r., with NEOKOP rowers and steers- man; in stern, two standards.
Diadumenian.			
261	Æ ·85	ΜΟΤΕΛΙΔΙΑΔΟVΜΕ ΝΙΑΝΟCΚΑ Bust of Diadumenian r., wearing paludamentum and cui- rass; head bare and beard- less.	KVZIKHNΩNNE O Calf walk- KOP ing r.

No.	Metal. Size.	Obverse.	Reverse.
Severus Alexander.			
262	Æ 1·15	ΑΥΚΑΙΜΑΥΡCΕΩΗ ΡΟCΑΛΕΞΑΝ Bust of Severus Alexander r., laur., wearing paludamen- tum and cuirass.	KVZIKH N N ΕΟΚΟΡΩ Athena standing r.; in r., spear, against which rests shield; in l., Nike.
263	Æ 1·7	ΑΥΚΜΑΥΡCΕΒΗΡΟC ΑΛΕΞΑΝΔΡΟCΑ Bust of Severus Alexander r., laur., wearing paluda- mentum and cuirass.	ΕΠΙΕ ΤΡΑ·ΑΥΡΑΡΙCΤΙΑΔΟΝ KV ZIKHNE The ΟΚΟΡ Emperor on horse, galloping r.; r. hand raised.
264	Æ 1·65	Μ·ΑΥ Ρ·ΕΒΗ·ΑΛΕ Ξ ΑΝΔΡΟC·ΑΥΓ Bust of Severus Alexander l., laur., wearing paludamen- tum and cuirass; r. hand raised; in l., sceptre rest- ing on shoulder. [Pl. xiv. 7.]	ΕΠΙΓ·ΦΛ·ΤΡΟΦΙ ΜΟΝΑΡ ΚVΖΙ ΚΗΝΩΝ ΔΙCΝΕΩΚΟΡ ΩΝ Two chests, filled with palms, each erected on a pole fixed in a cippus; in each chest is also a pole sur- mounted by a crescent and star. The chest on the right is being pushed into position by means of two poles; the innermost pole being manipulated by two men, while a third man holding a torch (?) stands near the outermost pole. On the upper part of the outermost pole stands another man holding a torch(?) in one of his extended hands: the chest on the left is being erected in the same way, and similar figures are present.*

* A similar reverse-type occurs on a Cyzicene coin of Faustina II. in the Berlin Museum (Von Sallet, *Z.f.N.* xv. p. 12; Pl. i. 7; cp. Diamilla (D. D. Müller) *Memorie numismatiche, anno primo*, Roma, 1847, p. 20; pl. i. 8), and a variety of it on a Cyzicene coin of Caracalla in the French collection (*Mion.* ii. p. 546, no. 216. cp. *Rev. arch.* ix. p. 339). The old explanation that rope-dancing is here represented is evidently erroneous. Dr. Von Sallet, *op. cit.*, p. 13, remarks, "man baut grosse prächtige Gerüste, mit baumartigen Zweigen gefüllt, welche am Tage einen schönen festlichen Anblick gewähren und am Abend, zum Beschluss des Festes, angezündet werden; die auf dem schrägen Stützbalken hinaufgehenden Figuren besorgen mit Fackeln das Geschäft des Anzündens."

No.	Metal. Size.	Obverse.	Reverse.
Julia Mamaea.			
265	Æ 95	ΙΟΥΛΑ ΜΑΙΑΥ Bust of J. Mamaea r.	ΚΥΙΚΗΝΩΝ ΝΕΟΚ Galley r., with steersman and rowers.
Maximinus.			
266	Æ 1.05	ΑΥΚΓΙΟΝΟΒΗ ΠΜΑ ΣΙΜΙΝΟC Bust of Maximinus r., laur., wear- ing paludamentum and cuirass.	ΝΕΟΚΟΡ ΚΥΙΚΗ Galley r., with steers- man and rowers; on prow, Triton r.; in stern, stan- dards.
267	Æ 1.05	ΑΥΚ·Γ·ΙΟΝΟΒΗΡΟC ΜΑΞΙΜΙΝΟC Bust of Maximinus r., laur., wearing paludamentum and cuirass. [Pl. xiv. 6.]	ΚΥ ΖΙΚΗ ΝΩΝΝ ΕΟΚΟ ΡΩΝ within laurel-wreath.
Maximus.			
268	Æ 75	ΓΙΟΝΟΒΗΡΜΑΞΙΜΟ C Bust of Maximus r.; head bare, wearing palu- damentum and cuirass.	ΚΥΙΚΗΝΩΝ ΝΕΟΚ Coiled serpent r. [Pl. xiv. 8.]
Gordian III.			
269	Æ 8	ΜΑΝΤΓΟΡ ΔΙΑΝΟC Α Bust of Gordian III. r., laur., wearing paluda- mentum and cuirass.	ΚΥΙΚΗΝΩ ΝΝΕΩΚΟΡΩΝ Flaming torch, entwined by serpent, on base.
270	Æ 85	ΑΚΜΑΝΓΟ ΡΔΙΑΝΟ C Bust of Gordian III. r., laur., wearing paluda- mentum and cuirass.	ΚΥΙΚΗΝ ΩΝΝΕΩΚΟ Cadu- ceus, winged, on base. [Pl. xiv. 9.]

No.	Metal. Size.	Obverse.	Reverse.
271	Æ 1·05	·ΑΥ·Κ·Μ·ΑΝΤ·Γ ΟΡΔΙ ΑΝΟCΑΥ Bust of Gordian III. r., laur., wearing paludamentum and cuirass.	CΤΡΑ within laurel-wreath. ΛΕΠΙΔ ΟΥΚΥΙ ΚΗΝΩΝ ΝΕΩΚΟ ΡΩΝ
Tranquillina.			
272	Æ ·8	ΦCΑΒΤΡΑΝ ΚΥΛΛΕΙ ΝΑ Bust of Tranquil- lina r. [Pl. xv. 1.]	CΤΡΑΕΠΙΔΟΥΚΥ Serpent coiled ΙΙΚΗΝΩ r., feeding ΝΕΟ from flaming altar.
273	Æ ·85	ΦCΑΒΤΡΑΝΚΥΛΛΕΙΝ ΑC Bust of Tranquil- lina r.	ΚΥΙΙΚΗ Galley r., with steersman and rowers; on prow, Triton r.; in stern, standards.
Philip I.			
274	Æ 1·35	ΑΥΤΚΑΙΜΙΟΥΦ ΙΛΙΠ ΠΟCΑΥ Bust of Philip I. r., laur., wearing paludamentum and cui- rass.	CΤΡΑΥΡCΕΟΝΗΑΓΑ ΘΗΜΕΡ ΟΥΚΥΙΙΚΗΝΩΝ ΝΕΟΚ Ο Ρ Ω Ν Asklepios standing, looking l.; in r., snake-encircled staff. [Pl. xv. 2.]
Gallienus.			
275	Æ ·95	ΑΥΤΚΠΑΙΚ ΓΑΛΛΙΗ ΝΟC Bust of Gallienus r., laur., wearing paluda- mentum and cuirass.	ΕΡΜΟΛΑΟΥΚΥ ΖΙΚΗΝΩ ΝΕ Athena standing l.; in r., Nike; in l., spear.
276	Æ 1·05	ΑΥΤΚΠΑΙΚ ΓΑΛΛΙΗ ΝΟC Bust of Gallienus l., laur., wearing paluda- mentum and cuirass: r. hand raised; in l., globe.	CΤΡΑΚΑ·ΒΑCΙΛΕ ΩCΚ VZIK ΗΝΩΝ·Β·ΝΕΟ ΚΟΝ (sic) Demeter advancing r., holding torch in each hand.

No.	Metal. Size.	Obverse.	Reverse.
277	Æ 1·05	[ΑΥΤΚΠ]ΛΙΚ· ΓΑΛΛΙ ΗΝΟC Bust of Gal- lien r., laur., wearing paludamentum and cui- rass.	ΚΥΖΙΚΗΝΩΝ·ΔΙCΝΕ Circular ΟΚΟΡΩΝ building with door; on the summit, three female figures, each holding two torches; on either side of building, flaming torch entwined by serpent.
278	Æ ·85	[ΑΥ]ΤΚΠΛΙΚ· ΓΑΛΛΙ ΗΝΟC Bust of Gal- lien r., laur., wearing paludamentum and cui- rass.	CΤΡΑΚΑΒΑCΙΛΕΩC·ΚΥΪΚΗ ΝΩ ·ΔΙC· ΝΕΟΚΟΡ Two flaming torches entwined by serpents, whose two heads meet; between torches, flaming altar.
279	Æ ·95	ΑΥΤ·Κ·Π·ΛΙΚ· ΓΑΛΛΙ ΗΝΟC Bust of Gal- lien r., laur., wearing cuirass.	ΚΥΖΙΚΗΝΩΝΔΙCΝΕ Circular ΟΚΟΡΩ temple, within which seated statue.
280	Æ 1·15	ΑΥΤ·Κ·[Π·ΛΙΚ]ΓΑΛΛΙ ΗΝΟC·CΕΒ· Bust of Gallien r., laur., wear- ing paludamentum and cuirass.	CΤΡΑ·ΛΟΚCΕΒΗΡΟ VMAC·K VΖΙΚΗ ΝΩΝ ΔΙCΝΕΟΚΟ ΡΩΝ Tyche standing l.; in r., rudder; in l., cornucopiae.
281	Æ 1·1	[ΑΥ]ΤΚ·Π·ΛΙΚ·ΓΑΛΛΙ ΗΝΟC Bust of Gal- lien l., laur., wearing paludamentum and cui- rass: r. hand raised; in l., globe. ΑΥΤΚΠΛΙΚ· ΓΑΛΛΙΗ ΝΟC Bust of Gallienus, laur., wearing paludamen- tum and cuirass.	N ΕΟΚ ΟΡΩ N· Galley r., B under sail. ΚΥΖΙΚΗ ΝΩΝ CΤΡΑ ΚΡΑ·ΒΑCΙ ΛΕΩCΚΥΖ within laurel-wreath. ΙΚΗΝΩΝΒ ΝΕΟΚΟΡ
282	Æ ·9	(bust r.)	

No.	Metal. Size.	Obverse.	Reverse.
283	Æ 95	(bust l., armed with spear.)	(CTPA KPABACI ΛΕΩCKV ΣΙΚΗΝΩΝ ΔΙCNEO K)
284	Æ 85	(head r.)	(KPA BACIΛE ΩCKVZI KHΝΩNB NEOK O)
Salonina.			
285	Æ 9	CAΛΩ NEINACE Bust of Salonina r.	KVΣΙΚΗΝ ΩNNEOKOPΩN Demeter advancing r., holding torch in each hand.
286	Æ 85	CAΛΩNI N CEB Bust of Salonina l.	KVΣΙΚΗΝΩ NEOKOPΩN Tyche standing l.; in r., rudder; in l., cornucopiae.
287	Æ 85	CAΛΩ NEINACE Bust of Salonina r.	KVΣΙΚΗΝΩN NEOKOPΩ N Galley r., with steersman and rowers.
288	Æ 9	CAΛΩN EINACEB Bust of Salonina r.	KVΣIK NEOK Galley r., with steersman and rowers; in stern, two standards; on prow, Triton r.
Claudius Gothicus.			
289	Æ 1.3	AVT.K.M.AVP.KAAV ΔΙOC.CEB Bust of Claudius Gothicus r., laur., wearing paludamen- tum and cuirass. [Pl. xv. 3.]	CTPA.CEΠT.ΠONTIKOV KVΣΙΚΗΝΩN.B NEΩKOPΩN Galley r., under sail, with rowers; man in stern holding sheets; * sailor climbing mast; on front of galley dolphin l., and fish r.

* Mr. Cecil Torr points out to me a figure of Serapis holding the sheets on a bronze piece of Maximianus Hercules engraved in Cohen, *Méd. imp.*, vi. p. 561, no. 667.

No.	Metal. Size.	Obverse.	Reverse.
<p>ALLIANCE COINS.</p> <p>Cyzicus and Ephesus.</p> <p><i>Antoninus Pius.</i></p>			
290	Æ 1·3	<p>ΑΥΤΚΑΙΑΔΡΙ ΑΝΤΩ ΝΕΙΝΟC CEB Head of Antoninus Pius r., bare.</p>	<p>ΕΠΙΑΡΧΟΝΤΟC ΕCΤΙΑΙΟV· ΟΜΟΝΟΙΑ Two youthful male figures (Cyzicus and Ephesus) grasp- ing right hands; behind them, their names ΚΥΖΙΚΟC and ΕΦΕCΟC: Cyzicus, who stands looking l., holds chlamys and spear in l. hand; Ephesus, who stands looking r., wears chlamys over l. shoulder.</p>
291	Æ 1·35	<p>ΑΥΤΚΑΙΑΔΡΙ ΑΝΤΩ ΝΕΙΝΟC CEB Bust of Antoninus Pius r., head bare; wears paludamen- tum and cuirass.</p>	<p>ΟΜΟΝΟΙΑ CΤΡ ΕCΤΙΑΙ ΟV On r., Demeter advancing to the front, holding torch in each hand; on l., statue of Artemis of Ephesus, facing. [Pl. xv. 4.]</p>
<p><i>Time of Faustina II.</i></p>			
292	Æ 1·35	<p>ΚΟΡΗCΩΤΕΙΡΑ ΚV ΖΙΚΗΝΩΝ Bust of Kore r., wearing necklace and corn-wreath (head assimilated to portrait of Faustina II.).</p>	<p>.....CΕ ΒΗΡΟVΚVΖ ΙΚΗΝΩ ΝΕΟΚΟΡΩΝ* On r., Demeter advancing, holding torch in each hand; on l., statue of Artemis of Ephesus, facing.</p>
<p>* Cp. the similar coin in <i>Mion.</i> ii. p. 531, no. 103, where the reading is given as CΤ·ΑΦΛΑ· CΕΒΗΡΟΥ &c.</p>			

No.	Metal. Size.	Obverse.	Reverse.
		<p style="text-align: center;">Cyzicus and Smyrna.</p> <p style="text-align: center;"><i>Time of Faustina II.</i></p>	
293	Æ 1·65	<p>ΚΟΡΗCΩΤΕΙΡΑ ΚΥ ΖΙΚΗΝΩΝ Bust of Kore r., wearing necklace and corn-wreath (head assimilated to portrait of Faustina II).</p>	<p>ΕΤΡΑΤΝΑΙΒΚVIN ΤΟΥ ΕΤΙΟΜΟΝΟΙΑ·ΚΥ Demeter ΖΙΚΕΜVPΝΑΙ holding torch, standing r. in chariot drawn r. by two centaurs, of whom the nearer is beardless and holds pedum; the farther is bearded and holds out patera of fruit; before the centaurs, Eros r., winged; behind the chariot, bearded male figure (Λικνοφόρος) standing r., in short chiton, support- ing basket (λίκνον) on head with r. hand and holding staff in l.; in the background, Maenad with tympanum and horned Pan playing double flutes.*</p>
		<p style="text-align: center;"><i>Commodus.</i></p>	
294	Æ 1·7	<p>[Inscr. obliterated.] Bust of young Commodus r.</p>	<p>Same die as no. 293. [Pl. xv. 5.]</p>

* On a similar coin in the Paris collection, see Imhoof-Blumer, *Griech. Münzen*, p. 614, no. 169; Pl. vii. 3.

No.	Metal. Size.	Obverse.	Reverse.
<p>GAMBRIUM.*</p> <p><i>Fourth century, B.C.</i></p> <p>SILVER.</p>			
1	Æ 4	Head of Apollo r., laur. [Pl. xv. 6.]	Γ AM Forepart of butting bull r. (weight 26 grains).†
<p><i>Third century, B.C.</i></p> <p>BRONZE.</p>			
		Head of Apollo r., laur.	Γ A M Star.
2	Æ 65	[Pl. xv. 7.]	
3	Æ 65		
4	Æ 7		
5	Æ 7	(Countermark, tripod).	
6	Æ 4		
7	Æ 4		
8	Æ 4		
9	Æ 4	(border of dots).	
10	Æ 4	(" ").	
11	Æ 5	(" "). [Pl. xv. 8.]	
<p>* Placed by some numismatists in Ionia, but see Imhoof-Blumer, <i>Griech. Münzen</i> (1890), p. 615; Six in <i>Num. Chron.</i> 1890, p. 193, note 29; Ramsay, <i>Hist. geog. Asia Minor</i>, p. 452.</p> <p>† This coin, formerly in the Whittall Collection, was published in the <i>Num. Chron.</i> for 1886, p. 257; pl. xi. 10.</p>			

No.	Metal. Size.	Obverse.	Reverse.
		Head of Apollo l., laur. [Pl. xv. 9.]	ΓΑΜ Bull butting l.; above, star.
12	Æ ·7		
13	Æ ·65		
		Head of Apollo r., laur.	Bull butting l.
14	Æ ·4		
15	Æ ·4		
16	Æ ·4	[Pl. xv. 10.]	
17	Æ ·35		(above, star).
		Head of Apollo r., laur. [Pl. xv. 11.]	ΓΑΜ Tripod.
18	Æ ·65		
19	Æ ·65		
20	Æ ·75		
21	Æ ·7		
22	Æ ·4		
23	Æ ·4		
24	Æ ·4	[Pl. xv. 12.]	
25	Æ ·4		

No.	Metal. Size.	Obverse.	Reverse.
<p>GERME.*</p> <p><i>Imperial Coinage.</i></p> <p>BRONZE.</p> <p>(a. Without heads of Emperors.)</p> <p>Time of Trajan and the Antonines.</p>			
		<p>ΙΕΡΑ·CVN ΚΛΗΤΟ</p> <p>Youthful male bust r., draped (The Senate).</p>	<p>ΓΕΡΜΗ ΝΩΝ Bust of Apollo r., laur., draped: in front, spray of laurel.†</p>
1	Æ·65	[Pl. xvi. 1.]	(inscr. begins on l.)
2	Æ·6	(ΙΕΡΑ·CVN ΚΛΗΤΟ)	(„ „ „ l.)
3	Æ·65	(ΙΕΡΑ·CVN ΚΛΗΤΟ)	(„ „ „ r.)
4	Æ·65	<p>ΙΕΡΑ·CVN ΚΛΗΤΟ</p> <p>Youthful male bust r., draped (The Senate).</p>	<p>ΓΕΡ ΜΗ ΝΩΝ Apollo Citha- roedus standing, looking l.; in l., lyre; in r., patera?</p>
5	Æ·7	<p>ΙΕΡΟ·C ΔΗΜΟ·C</p> <p>Youthful male, head r., laur. (The Demos). [Pl. xvi. 2.]</p>	<p>ΓΕΡΜΗ ΝΩΝ Herakles standing, looking l.; in r., club; in l., lion's skin.</p>
<p>* On the two places in Mysia named Germe, see <i>Introduction, supra</i>, under 'Germe.'</p> <p>† The same type occurs on a coin with the head of Trajan; see <i>infra</i>, no. 12.</p>			

No.	Metal. Size.	Obverse.	Reverse.
6	Æ 6	Bust of Hermes r., in winged petasos.	ΓΕΡ ΜΗΝ Telesphorus standing facing.*
Time of Caracalla.			
7	Æ 5	Head of bearded Herakles r.; lion's skin round neck.	ΓΕΡΜ Η ΝΩΝ Lion advancing r.
Time of Gordian III.			
8	Æ 1.45	ΙΕΡΑ·CVN ΚΛΗΤΟC· Youthful male bust r., draped (The Senate). (Same die as no. 9). [Pl. xvi. 4.]	ΕΠΙ·ΑΙΛ·ΑΡΙCΤΟΝΕΙΚ ΟΥ· ΓΕΡΜΗ ·ΝΩΝ To r., Marsyas, naked, tied to tree; to l., Apollo, wearing chlamys, standing r., looking back; in r., plectrum; in l., lyre.†
9	Æ 1.45	ΙΕΡΑ·CVN ΚΛΗΤΟC· Youthful male bust r., draped (The Senate). (Same die as no. 8).	ΕΠΙ·ΑΠΟΛ ΛΩΝ Ι ΔΟΥ·ΑΡΧ· Α ΓΕΡΜΗΝΩΝ On l., bearded Herakles, naked, seated r. on rock covered by lion's skin; l. hand rests on club, r. hand rests on lion's skin: on r., male figure (bearded?), wear- ing himation, moving r.; in l. hand, staff(?); r. hand raised, holding staff(?); above his head, eagle.‡ [Pl. xvi. 5.]

* This specimen is from the Borrell collection, and was described in *Num. Chron.* vi. 154, no. 1 and figured in *Smith's Dict. of Gr. and Rom. Geography*, s.v. 'Germa.'

† On the Marsyas type on gems and on a coin of Alexandria, see Overbeck, *Griech. Kunst-Mythologie*, 'Apollo,' p. 472, ff.

‡ This specimen was formerly in Major-Gen. Yorke Moore's Collection (Sale Catalogue (1889), lot 351), and was presented to the British Museum in 1889 by Dr. Hermann Weber. The standing figure on the *rev.* somewhat resembles the Marsyas holding flutes on nos. 21, 23, *infra*.

No.	Metal. Size.	Obverse.	Reverse.
10	Æ 85	<p>ΙΕΡΑ ΓΕΡΜΗ Bust of Germe r., turreted.</p> <p>[Pl. xvi. 3.]</p>	<p>ΓΕΡΜΗ ΝΩΝ Pallas, helmeted, standing l.; holding in r. patera over altar; l. supporting spear and shield.</p>
11	Æ 9	(ΙΕΡΑ ΓΕΡΜΗ)	
<p>(b. With heads of Emperors.)</p> <p>Trajan.</p>			
12	Æ 65	<p>ΑΥΤΟΚ ΤΡΑΙΑΝ ΟC Head of Trajan r., laur.</p>	<p>ΓΕΡ ΜΗΝΩΝ Bust of Apollo r., laur.; in front, spray of laurel.</p>
13	Æ 7		
14	Æ 7	<p>ΑΥΝΕΡΒΑΤΡΑΙΑΝΟΝ Head of Trajan r., laur.</p>	<p>ΓΕΡΜΗ ΝΩΝ Apollo Citharoedus standing, looking l.; in r., patera; in l., lyre.</p>
15	Æ 1.1	<p>ΑΥΤΟΝΕΡΒΑΤΡΑΙΑ NONKA Head of Tra- jan r., laur.</p>	<p>ΕΠΙCΤΡ [ΑΡΤΕΜ]ΙΔΩΡΟΥΓ ΕΡ Two female figures, draped, each placing a hand on amphora standing between them.</p>
<p>M. Aurelius.</p>			
16	Æ 1.	<p>ΜΑΥΡ..... ΚΑΙCΑΡ Bust of M. Aurelius r.; head bare.</p>	<p>..... ΝΟΒΑΡΧΑ-ΓΕΡΜΗΝΩΝ Zeus, wearing himation over lower limbs, seated l.; on r. hand, eagle; l. hand on sceptre.</p>
17	Æ 1.05		<p>(..... ΝΟΒΑΡ ΧΑ-ΓΕΡΜΗΝ ΩΝ)</p>

No.	Metal. Size.	Obverse.	Reverse.
18	Æ ·85	ΑΥΤΚ ΑΥΡΗΛΙΟC Head of M. Aurelius r., bare.	ΓΕΡΜΗ ΝΩΝ Herakles standing facing, head l.; in r., club.; in l., lion's skin.
19	Æ 1·75	ΑΥΚΛΑΕΠΤΙΜΙ CΕΥ ΗΡΟCΠΕΡΤΙΝ Bust of Severus r., laur., wear- ing paludamentum and cuirass.	ΕΠ. . . . (ΑΥΚΩ ?) . . . * Young ΓΕΡΜΗΝΩΝ Dionysos, naked, holding thyrsos in l., standing in chariot drawn l. by two panthers; before chariot, naked satyr l. looking back, holding pedom; behind chariot, male figure, in short chiton, standing l., supporting basket (λίκνον) on head, and holding staff in r.; in the background, satyr l. blowing double flute, and Maenad l. holding tym- panum.* [Pl. xvi. 7.]
20	Æ ·95	ΙΟΥΛΙΑ CΕΒΑCΤΗ Bust of J. Domna r. [Pl. xvi. 6.]	CΤΡΓΑΥΚΩ ΝΟCΓΕΡΜΗ Zeus ΝΩΝ wearing himation over lower limbs, seated l. on throne; r. hand outstretched (holding patera?); l. on sceptre.

* Inscr. obscure, probably the name of the strategos Glycon, as on no. 21, *infra*.

† Cp. a similar (though not identical) type on a coin of Cyzicus (Commodus), published in Imhoof, *Griech. Münzen*, pl. vii. 4; cp. also *ib.* pl. vii. 3, and the British Museum coin of Cyzicus and Smyrna, *supra*, no. 293.

No.	Metal. Size.	Obverse.	Reverse.
Caracalla.			
21	Æ 1·5	<p>ΑΥΚΑΙΜΑΥΡΗ ΑΝΤΩΝΕΙΝΟC Bust of Caracalla r., laur., beardless, wearing paludamentum and cuirass.</p> <p>(PH in inscription obscure). [Pl. xvi. 8.]</p>	<p>ΕΠΙ· · · CΤΡ· ΓΑΥΚΩΝΟC·Β ΓΕΡΜΗΝΩΝ Apollo, with lower limbs draped, seated r. on rock; in l., lyre, in r., plectrum; before him, Marsyas, with short drapery round waist, standing, looking l., holding in each hand flute; at feet of Marsyas, river-god reclining l.</p>
22	Æ 1·5	(Same die as no 21.)	<p>(ΕΠΙCΤΡΑΤΗ ΓΟΥΓΑΥΚΩΝ ΙΟ (sic) CΒ ΓΕΡΜΗΝΩΝ (Without river-god.)</p>
J. Soaemias.			
23	Æ 1·	<p>ΙΟΥΛΙΑCΒΑΙΜΙΑCCE Bust of J. Soaemias r.</p>	<p>ΓΕΡΜΗ ΝΩΝ Tyche standing l.; in r., rudder; in l., cornucopiae.</p>
Gordian III.			
24	Æ 95	<p>ΑΥΤ·Κ·ΜΑΝΓ ΟΡΔΙΑΝΟC Bust of Gordian III. r., laur., wearing paludamentum and cuirass. (Same die as no. 28.)</p>	<p>ΓΕΡ ΜΗ ΝΩΝ Zeus, wearing himation, seated l.; on his r. hand, eagle; l. on sceptre.</p>
25	Æ 1·1	<p>ΑΥΤΚ·Μ·ΑΝΤ ΓΟΡΔΙΑΝΟC Bust of Gordian III. r., laur., wearing paludamentum and cuirass.</p>	<p>ΕΠΙΑΡΙCΤΟΝ ΕΙΚ·ΓΕΡΜΗΝ Apollo, naked, standing facing, head r.; r. hand resting on head; l. holding lyre which is placed on tripod. [Pl. xvii. 2.]</p>

No.	Metal. Size.	Obverse.	Reverse.
26	Æ 1·25	AVTK·M·ANT·ΓΟΡΔΙ ANOC Bust of Gordian III. r., laur., wearing paludamentum and cuirass.	ΕΠΙΑΙΛ·Α ΡΙC ΤΟΝΕΙΚΟΝ ΩΝ Apollo, ΓΕΡΜΗΝ wearing mantle, standing r., holding in l., lyre, in r., plectrum; before him, the Emperor in military dress standing l., his r. hand upraised, his l. holding spear.* [Pl. xvii. 3.]
27	Æ 1·2	AVT·K·M·ANT·ΓΟΡΔΙ ANOC Bust of Gordian III. r., laur., wearing paludamentum and cuirass.	ΕΠΙ ΑΡΙCΤ ΟΝΕΙ Artemis, ΓΕΡΜΗΝ Apollo, and Asklepios. Artemis, in short chiton, standing r., holds in l., bow, and with r. draws arrow from quiver; Apollo, standing, in citharoedic dress, holds in l., lyre, in r., plectrum; Asklepios standing, looking l., holds snake-encircled staff in r.
28	Æ 1·05	AVT·K·MANΓ ΟΡΔΙ ANOC Bust of Gordian III. r., laur., wearing paludamentum and cuirass. (Same die as no. 24.)	ΕΠΙΑΡΙ CΤ ΟΝΕΙΚΟ Hygieia V standing ΓΕΡΜΗ r. feeding serpent from patera, and Asklepios standing l., holding snake-encircled staff in r.
29	Æ 1·15	·AVT·K·M·ANT·ΓΟΡΔ IANOC Bust of Gordian III. r., laur., wearing paludamentum and cuirass.	ΕΠ·ΑΠΟΛΛΩ Ν ΙΔΟΝ Hera- ·ΓΕΡΜΗΝ kles naked, ΩΝ reclining l. on lion advancing r.; in r., bow; in l., club.
30	Æ 7	AVT·K·M·ANT· ΓΟΡ ΔΙΑΝOC Bust of Gordian III. r., laur., wearing paludamentum and cuirass.	ΓΕΡΜ ΗΝΩΝ Herakles standing facing; in r., club; in l., lion's skin.

* This specimen, from the Borrell collection, was described in the *Num. Chron.* vi., p. 154, no. 3.

No.	Metal. Size.	Obverse.	Reverse.
31	Æ 8	ΑΥΤΚΜΑΝΤΓΟΡΔΙΑ ΝΟC Bust of Gordian III. r., laur., wearing pa- ludamentum and cuirass.	ΓΕΡΜΗ ΝΩΝ Herakles standing r. strangling Nemean lion.
32	Æ 1·4	ΑΥΤΚΜΑΝΤ ΓΟΡΔΙ ΑΝΟC. Bust of Gor- dian III. r., laur., wear- ing paludamentum and cuirass.	ΕΠΙΑΙΛΑΡΙCΤΟΝΕΙΚΟΝΓΕ ΡΜ ΗΝΩΝ Three nymphs in long chitons standing facing; each holds jug; the two outer figures place each an arm on the shoulder of the figure in the centre. [Pl. xvii. 1.]
33	Æ 1·	ΑΥΤΚΜΑΤΝ-ΓΟΡΔΙ ΑΝΟ (<i>sic</i>) Bust of Gordian III. r., laur., wearing paludamentum and cuirass.	ΓΕΡΜ Η ΝΩΝ Tyche of Germe, turreted, seated l., holding in r. figure of Apollo Citharoedus, and supporting with l. cornucopiae and patera. [Pl. xvii. 4.]
34	Æ 1·05	ΑΥΤΚΜΑΝΓ ΟΡΔΙΑ ΝΟC Bust of Gor- dian III. r., laur., wear- ing paludamentum and cuirass.	ΕΠΙΑΡΙCΤΟ ΝΕΙΚΓΕΡΜ ΗΝΩ Ν Tyche, wearing modius, standing l.; in r., rudder; in l., cornucopiae.
Tranquillina.			
35	Æ 1·15	ΦΟΥΡΤΡΑΝ ΚΥΛΛΙ ΝΑCΑB Bust of Tran- quillina r.	ΕΠΙΑΡΙCΤΟ Ν ΕΙΚΓΕΡΜΗΝ Young Dionysos wearing chlamys, standing l.; in r., bunch of grapes; in l., thyrsos; at his feet, panther.
36	Æ 1·15	[ΦΟΥΡΤΡΑΝ] ΚΥΛΛΙ ΝΑCΑB Bust of Tran- quillina r. (Same die as no. 35.)	ΕΠΙΑΡΙC ΤΟΝΕΙ ΚΟ ΓΕΡΜΗΝ V Herakles r., strangling Nemean lion.

No.	Metal. Size.	Obverse.	Reverse.
37	Æ 1·3	<p style="text-align: center;">Philip I.</p> <p>·ΑΥΤΚ·Μ·ΙΟΥΛΦΙΛΙΠ ΠΟΣ Bust of Philip I. r., laur., wearing paluda- mentum and cuirass.</p> <p>Countermark, eagle r. hold- ing wreath in beak.</p>	<p style="text-align: center;">ΕΠΙΓ·Ι·ΠΕΡΠΕΡΟΝ·ΡΟΝΦ·Β· Ω Ν Three nymphs ΓΕΡ ΜΗΝ in long chitons standing facing; each holds jug; the two outer figures place each an arm on the shoulder of the figure in the centre.</p>

No.	Metal. Size.	Obverse.	Reverse.
<p>HADRIANI.*</p> <p><i>Imperial Coinage.</i></p> <p>BRONZE.</p> <p>(a. Without heads of Emperors.)</p> <p>Time of Hadrian and the Antonines ?</p>			
1	Æ ·7	Youthful bust r.	ΑΔΡΙ ΑΝΩ[N] Cornucopiæ.
2	Æ ·9	<p>ΙΕΡΑ CVNΚΛΗΤΟC</p> <p>Youthful male bust (The Senate) r.</p>	<p>ΑΔΡΙΑΝΕ Bearded river-god (Rhyndacus), wearing himation over lower limbs, reclining l.; in r., reed.</p>
<p>Time of Caracalla.</p>			
3	Æ ·55	<p>Head of bearded Herakles r.; lion's skin round neck; club over shoulder.</p> <p>[Pl. xvii. 5.]</p>	<p>ΑΔΡΙΑ ΝΕ Lion advancing r.</p> <p>ΩΝ</p>
<p>(b. With heads of Emperors.)</p> <p>Hadrian.</p>			
4	Æ 1·15	<p>ΑΥΤΟ·ΚΑΙ·ΤΡΑ· ΑΔΡΙΑΝΟC·CΕ</p> <p>Head of Hadrian r., laur.</p>	<p>ΑΙΑ(Μ?) ΑΡΧ· ΑΔΡΙΑΝΩΝ· Zeus, wearing himation over lower limbs, seated l.; in r., Nike; l. raised (and supported on sceptre?).</p> <p>[Pl. xvii. 6.]</p>
<p>* On Hadriani, see Ramsay, <i>Hist. Geog.</i>, pp. 160, 161, 196, 437. In the Roman period it belonged to the Province of Asia; in the Byzantine period, to Bithynia.</p>			

No.	Metal. Size.	Obverse.	Reverse.
Antoninus Pius.			
5	Æ 1·8	ΑΥΤ·ΚΑΙ·C·Τ·ΑΙ·Α· Α ΔΡΙ·ΑΝΤΩΝΕΙΝΟC Head of Ant. Pius r., bare.	ΕΠΙ·Π·ΑΙ·Α·ΑΤΤΙ ΝΑ·ΑΡΧ·Τ Ο·Β ΑΔΡΙ Α Zeus draped, NE ΩΝ standing l.; in r., patera; in l., sceptre; before him, eagle. [Pl. xvii. 7.]
Commodus.			
6	Æ 1·2	ΑΥΚ·Α·ΑΥΡ·ΚΟΜΟΔ ΟC·ΑΝΤΩΝΙΝΟC Bust of Commodus r., head bare; bearded; wears paludamentum and cui- rass.	Τ·Α·Ο·Κ·ΔΙΟΔΩΡΟΣ·ΑΝΕΘΑΔ ΡΙΑΝ ΠΟΛΥΜ Demeter, wearing chiton with diplois, and veil, standing l.; in r., ears of corn and poppy; in l., torch. (Cp. Sestini, <i>Descr. num. vet.</i> , p. 254). [Pl. xvii. 8.]
Sept. Severus.			
7	Æ 1·45	ΑΥΤΚΑΙ·C·ΕΠ·C·ΕΟ ΥΗΡΟC·ΠΕ Bust of Sept. Severus r., laur., wearing paludamentum and cuirass.	ΕΠ·ΜΗΝΟΦΑΝΟΝ·CΤΕΙΜΟ ... ΑΡΧΑ ΑΔΡΙΑΝΕΩΝ Hermes standing l.; in r., purse; in l., caduceus and chlamys; beside him, ram; before him, river-god (Rhyn- dacus?) reclining r. under tree, his r. arm resting on urn.* [Pl. xvii. 9.]
8	Æ 75	ΑΥΚ·C·C·ΕΥΗΡΟC·Π Head of Sept. Severus r., laur.	ΑΔΡΙ ΑΝΕΩ Ν Hermes, naked, standing l.; in r., purse; in l., caduceus.
J. Domna.			
9	Æ 1·4	ΙΟΥΛΙΑ ΑΥΓΟΝCΤΑ Bust of J. Domna r.	ΕΠΙ·ΝΙΚΟΜΑ ΧΟΝ·ΑΡ·ΠΡΟ CΟ ΑΔΡΙΑΝΕ Tyche ΩΝ standing l.; in r., rudder; in l., cornucopie.

* This specimen was formerly in the Burgon collection, and was de-
scribed by Sestini in his *Lett. e diss. num. di cont.* viii., p. 16, no. 6; Pl. i. 7.

No.	Metal. Size.	Obverse.	Reverse.
		Caracalla.	
10	Æ 75	ΑΝΤΩΝΙΝΟΣ ΑΥΓΟ ΥΣΤΟ C Head of Caracalla r., laur., bearded.	ΑΔΡΙΑΝΩΝΤΡΟC Infant Hermes wearing petasos, seated l. in cradle; both hands raised*. [Pl. xvii. 10.]
		Elagabalus.	
11	Æ 75	ΑΝΤΩΝ ΕΙΝΟΣ Bust of Elagabalus r., laur.	ΑΔΡΙΑ ΝΕΩΝ Asklepios stand- ing, holding snake-encircled staff.
		Philip I.	
12	Æ 8	ΑΥΚΜΙΟΝΛΙΦΙΛΙΠΠ ΟC Bust of Philip I. r., laur., wearing paluda- mentum and cuirass.	ΑΡ ΧCΕΥΗΡΟ Bull l. ΑΔΡΙ
		Philip, junior.	
13	Æ 1·3	ΜΙΟΝΛΦΙΛΙ ΠΠΟCΚ Bust of Philip, jun. r., wearing paludamentum and cuirass; head bare.	ΕΠΤΑΥΡΔΡ Α ΥΚΟΝΑΑΡΧΑ Ν Ω Zeus ΔΡΙΑ Ν wearing himation seated l. on throne; in r., patern; l. on sceptre.† [Pl. xvii. 11.]

* A similar type of the infant Dionysos, accompanied by the thyrsos, is found at Nicaea in Bithynia (see Wroth, *Brit. Mus. Cat., Pontus, &c.*, p. 157, no. 35; Pl. xxxii. 7; p. 158, no. 43; Pl. xxxii. 14; Imhoof, *Griech. Münzen*, p. 602, under nos. 127 and 128). On the present coin there is no thyrsos, and as the infant appears to wear a petasos, Hermes must be intended: cp. the figure of the infant Hermes in a cradle in Daremberg and Saglio, *Dict. des ant.*, s. v. 'Cunae,' fig. 2128. Cp. also Imhoof-Blumer in *Jahrbuch des arch. Inst.* iii. 1888, p. 238.

† Cp. the coin published in *Berliner Blätter*, i., p. 261, no. 7.

No	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">HADRIANOTHERA.*</p> <p style="text-align: center;"><i>Imperial Coinage.</i></p> <p style="text-align: center;">BRONZE.</p> <p style="text-align: center;">(a. Without head of Emperor.)</p> <p style="text-align: center;">Time of the Antonines?</p>			
1	Æ .8	<p>ΙΕΡΑ CVNΚΛΗΤΟC Youthful bust r. (The Senate).</p>	<p>ΑΔΡΙΑ ΝΟΘΗΡΙΤΩΝ Askle- pios standing, looking l.; in r., snake- encircled staff.</p>
<p style="text-align: center;">(b. With heads of Emperors).</p> <p style="text-align: center;">Hadrian.</p>			
2	Æ 1.	<p>ΑΔΡΙΑ ΝΟCΑΥΓΟV CΤΟC Head of Ha- drian r.</p>	<p>ΑΔΡΙΑΝΟ ΘΗΡΙΤΩΝ Homo- noia seated l.; in r., patera; in l., cornucopiae.</p>
<p style="text-align: center;">Sept. Severus.</p>			
3	Æ .75	<p>ΑΥΤΑC ΕΟVΗΡΟC Head of Sept. Severus r., laur.</p>	<p>ΑΔΡΙΑΝ ΟΘΗΡΙΤΩΝ Askle- pios standing, looking l.; in r., snake- encircled staff.† [Pl. XVIII. 1.]</p>
4	Æ 1.4	<p>ΑΥΚΑΙΜCΕΠΤΙ[M?] ΕΟVΗΡΟC Bust of Sept. Severus r., laur., wearing paludamen- tum and cuirass: in front, countermark.</p>	<p>ΕΠΙCΤΡ ΜΟCΧΙΑΝ[ΟV] ΑΔΡΙΑΝΟΘΗ Emperor on PITΩΝ horse r.; r. hand raised; horse walking: in front, trophy, at foot of which, captive seated l.‡</p>
<p>* On the site, see Ramsay, <i>Hist. Geog. of Asia Minor</i>, pp. 155, 156; cp. <i>ib.</i> p. 437.</p> <p>† This specimen was first published by Borrell in <i>Num. Chron.</i> vi., p. 116, no. 2.</p> <p>‡ Cp. a similar type at Adramyteum under Sept. Severus, <i>supra</i>, p. 5, no. 16.</p>			

No.	Metal. Size.	Obverse.	Reverse.
		J. Domna.	
		ΙΟΥΔΟΜ ΝΑΨΕΒΑ CT Bust of J. Domna r.	
		CTPA IOΓEN OVC AΔP IANOΘH Emperor on horse galloping r.; r. hand raised.	
5	Æ 1·05	Countermarks, female head r. and ΔΓ.	
6	Æ 1·1	(ΙΟΥΛΙΑΔΟ ΜΝΑΨΕ BACTH) Counter- mark, female head r.	
		Caracalla.	
7	Æ 1·	AVKMAVP ANT[ΩN] ΕΙΝΟ Bust of young Caracalla r., laur., wear- ing paludamentum and cuirass: in front, coun- termark, male head r. (Caracalla?).	
		ΑΔΡΙΑΝΟ ΘΗΡΙΤ Bull r. ΩΝ	

No.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">IOLLA.*</p> <p style="text-align: center;">BRONZE.</p> <p style="text-align: center;"><i>Fourth century, B.C.</i></p>			
		Head of Zeus r., laur.	IOAAA Forepart of winged horse r.
1	Æ ·65	[Pl. xviii. 2.]	beneath, ear of corn.
2	Æ ·6		" "
3	Æ ·5		" "
<p>* Probably near Adramyteum: see Imhoof, <i>Mon. gr.</i>, p. 247; Von Sallet in <i>Z. f. N.</i>, iv. 313.</p>			

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">LAMPUSCUS.</p> <p style="text-align: center;"><i>Circ.</i> B.C. 500.</p> <p style="text-align: center;">ELECTRUM.</p>				
1	215.72	EL. .75	Forepart of winged horse l.; above, acanthus ornament. [Pl. XVIII. 3.]	Incuse square divided by two lines into four compartments.*
<p style="text-align: center;">SILVER.</p>				
2	105.	AR .65	Forepart of winged horse r. [Pl. XVIII. 4.]	Incuse square of four compartments.
3	103.5	AR .7		
4	19.6	AR .4	[Pl. XVIII. 5.]	
5	19.8	AR .4	Forepart of winged horse l.; border of dots. [Pl. XVIII. 6.]	Incuse square of four irregular com- partments.
<p>* The attribution of this coin (which is also catalogued in B. V. Head's <i>Cat. Ionia</i>, p. 7, and cp. Head in <i>Num. Chron.</i> 1887, p. 282, no. 8) to Lampsacus is not certain: M. J. P. Six would attribute it, as well as other similar staters with animal types, to Chios during the 5th century B.C. (<i>Num. Chron.</i> 1890, p. 219).—For an electrum hekte with <i>obv.</i> Forepart of winged horse, see B. V. Head, <i>Brit. Mus. Cat. Ionia</i>, p. 3, no. 10, Pl. I. 10, "Lampsacus?"</p>				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
B.C. 500—450, or later.				
ELECTRUM.				
			Forepart of winged horse l.; above, amphora.	Incuse square divided by two lines into four compartments.
6	232.1	EL. .8	[Pl. XVIII. 7.]	
7	233.5	EL. .85	[symbol obscure.]	[alternate compartments sunk deeper.]
			Forepart of winged horse l.; beneath, Ξ : the whole in vine-wreath.	Incuse square divided by two lines into four compartments, the alternate compartments sunk deeper.
8	235.5	EL. .8	[Pl. XVIII. 8.]	
9	237.	EL. .8	[Ξ not visible.]	
SILVER.				
			Janiform female head wearing taenia, earring and necklace; hair hangs straight over forehead.	Head of Athena l., wearing helmet and necklace, within incuse square.
10	82.5	AR .65	[Pl. XVIII. 9.]	
11	80.	AR .7		
12	82.1	AR .65		
13	78.	AR .65		
14	75.5	AR .7		
15	59.2	AR .6	[Pl. XVIII. 10.]	(hair visible on forehead.)

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Janiform female head wearing taenia and earring; hair on forehead wavy: border of dots.	Head of Athena l., helmeted, within incuse square.
16	71.3	AR .8	[Pl. XVIII. 11.]	
17	72.	AR .7		in field, r., caduceus.
18	15.6	AR .4	[no border visible.]	
19	13.2	AR .5	„ „	(helmet wreathed with olive.)
20	13.7	AR .45	[Pl. XVIII. 12.]	
21	11.2	AR .4	[no border visible.]	(on helmet, wheel.)
22	9.5	AR .4		
<i>Circ. B.C. 394—350.</i>				
GOLD.				
23	130.	AV .6	Head of Demeter or Persephone r., wreathed with corn. [Pl. XIX. 1.]	Forepart of winged horse r., within incuse square, of which only traces are visible.*
24	128.5	AV .7	Head of female satyr l. with pointed ear, wearing ivy-wreath, earring and necklace. [Pl. XIX. 2.]	Forepart of winged horse r., within incuse square, of which only traces are visible.
* This is the specimen already published in <i>Nam. Chron.</i> 1890, p. 324, no. 24; cp. <i>Nam. Chron.</i> 1891, p. 116.				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
25	129.2	AV .7	Bearded male head l. (Odysseus ?) with flowing hair, wearing conical hat wreathed with laurel.*	Forepart of winged horse r. within incuse square. [Pl. XIX. 3.]
26	129.3	AV .7	Gaia l., rising from the ground, the lower part of her body not visible; she wears stephane, wreath, chiton, peplos and girdle, and holds in r. three ears of corn, in l., ears of corn and bunches of grapes. [Pl. XIX. 4.]	Forepart of winged horse r. within incuse square.†
27	81.7	AV .7‡ (plated)	Head of Demeter l., wearing corn-wreath, veil, earring and necklace. (Above head, inscription?). [Pl. XIX. 5.]	Forepart of winged horse r. within incuse square.
28	130.5	AV .75	Head of bearded Zeus l., laureate; behind, thunderbolt. [Pl. XIX. 6.]	Forepart of winged horse r. within incuse square.
29	130.7	AV .7	Head of Maenad§ l., wearing ivy-wreath, diadem, earring and necklace.	Forepart of winged horse r. within incuse square. [Pl. XIX. 7.]

* A similar head appears on staters of Cyzicus: see Greenwell, *Cyzicus*, p. 86, no. 70.

† This coin is from the Payne Knight collection, and is apparently the specimen engraved in Millingen, *Ancient Greek Coins*, Pl. v. 7.

‡ This coin was purchased in 1879 of Mr. G. Panni, with eleven other coins, chiefly of Asia Minor. It appears to be an ancient forgery. A specimen with similar types, and stated to be of gold, is described in the Wellenheim *Catal.* vol. i., no. 4890.

§ According to M. J. P. Six, *Olympias*, the mother of Alexander, in the character of a Maenad (*Num. Chron.* 1888, pp. 111, 112).

No.	Wt.	Metal. Size.	Obverse.	Reverse.
30	130·	AV ·7	Female head l., wearing earring, sakkos and wreath (of lotus ?).*	Forepart of winged horse r. within incuse square. [Pl. XIX. 8.]
31	130·2	AV ·7	Nike, wearing peplos over lower limbs and necklace, kneeling r., nailing helmet to a trophy consisting of shield, cuirass and sword; in r., hammer, in l., nail.	Forepart of winged horse r. within incuse square.† [Pl. XIX. 9.]
SILVER.				
<i>Circ. B.C. 394—330?</i>				
			Janiform female head wearing taenia and earring.	Λ A M Head of Athena r., wearing crested helmet within incuse.
32	38·6	AR ·5	[Pl. XIX. 10.]	on helmet, forepart of winged horse r.
33	39·2	AR ·5		„ „ „ „
34	37·6	AR ·5		„ serpent.
35	37·5	AR ·55		„ „ (no crest to helmet).

* Cp. the specimen published by Mr. Greenwell in *Num. Chron.* 1890, p. 27, Pl. III. 15.

† From the Bank of England collection and originally in the collection of Mr. H. P. Borrell who, in his manuscript Catalogue in the British Museum, says (p. 93), "it was brought from Nubia by Lord Prudhoe [Fourth Duke of Northumberland] in 1827, and presented to me by that nobleman; this is the third instance to my knowledge of these sort of coins being found in Egypt and Syria." Cp. also Borrell in *Num. Chron.* vi., pp. 155, 156.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Janiform female head wearing taenia and earring.	Λ A M Ψ A Head of Athena r., wearing helmet within incuse. (Λ A M)
36	19.5	AR .45		
37	22.2	AR .45		
38	20.8	AR .45		(Λ A M [Ψ])
39	18.7	AR .45		(Λ A M Ψ)
40	19.5	AR .45		„ (helmet wreathed).
41	19.4	AR .45		
42	20.4	AR .5		(Λ A M Ψ) beneath, symbol.
43	17.7	AR .45		„ ivy-leaf.
44	19.6	AR .45	beneath KPI ?	(Λ A M Ψ A) to l., krater.
45	19.6	AR .5	„ „	„ „
			Head of Apollo r., laur.	Λ A M Forepart of winged horse r.
46	18.8	AR .4	[Pl. xix. 12.]	beneath, dolphin r.
47	17.2	AR .5		
48	15.5	AR .4		beneath, bee.
49	35.2	AR .6	Head of Athena r., hel- meted. [Pl. xix. 11.]	Λ A M Forepart of winged horse r. ; beneath, ear of corn.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
BRONZE.				
<i>Fourth and third centuries, B.C.</i>				
			ΛAM Janiform female head wearing taenia and earring.	Forepart of winged horse r.
50	Æ .65	[Pl. XIX. 13.]		beneath, harpa r.
51	Æ .65			„ trident r.
52	Æ .7	(inser. retrograde.)		above, A ; beneath, symbol?
			ΛAM Female head r. (Nike?) wearing laurel-wreath, earring and necklace: hair rolled.	Υ A Forepart of winged horse r.
53	Æ .85	[Pl. XIX. 14.]		beneath, head of Helios radiate.
54	Æ .85			„ bunch of grapes.
55	Æ .45	border of dots (earring and necklace not visible.)		(Υ A not visible.) [Pl. XIX. 15.]
56	Æ .45	„ „ „ „		
57	Æ .6	ΛAM Head of Athena r., helmeted (similar to no. 49).		Forepart of winged horse r.; beneath, club r.

No.	Metal. Size.	Obverse.	Reverse.
58	Æ ·4	ΛΑΜ Crested helmet r. (no inscription). [Pl. xx. 1.]	Forepart of winged horse r.
59	Æ ·4		
60	Æ ·45	[Pl. xx. 2.]	(Υ Α) beneath, pellet: border of dots.
61	Æ ·35	Head of Athena l., helmeted: before and behind head, pellet.	ΛΑ ΜΥ Amphora. [Pl. xx. 3.]
62	Æ ·5	Caduceus within wreath. [Pl. xx. 4.]	ΛΑ M ΥΑ Forepart of winged horse r.
63	Æ ·5	(ΛΑ Μ)	(Υ Α) beneath, dolphin: border of dots.
64	Æ ·75	Bearded male head r. (Po- seidon?).	Λ Α Μ Forepart of winged horse r. beneath, dolphin.
65	Æ ·6	[Pl. xx. 5.]	„ „
66	Æ ·5		„ „
67	Æ ·5		„ trident.

[For silver and bronze coins of Orontas (Satrap of Mysia and Ionia, circ. B.C. 362—348) and for a silver coin of Spithridates (Satrap of Ionia and Lydia, died B.C. 334), see *Brit. Mus. Cat. Ionia*.]

[For Alexandrian coins attributed to Lampsacus, see Müller, *Num. d'Alex.*, nos. 912—917; and for Lysimachian coins, Müller, *Die Münzen d. Lysim.*, nos. 387, 388.]

No.	Wt.	Metal. Size.	Obverse.	Reverse.
After B.C. 190— <i>circ.</i> B.C. 85?				
SILVER.				
68	253·2	AR 1·2	Head of bearded Priapus r., horned and wreathed with ivy.* border of dots. [Pl. xx. 6.]	ΛΑΜΥΑ ΚΗΝΩΝ CΩΚΡΑΤΟΥΤΟΥ ΞΕΝΟΦΑΝΟΥ l., lyre; in field, l., XX ; in field, r., palm. Apollo Citha- roedus stand- ing r.; in r., plectrum; in
BRONZE.				
69		Æ ·85	Head of bearded Priapus r., horned and wreathed with ivy. [Pl. xx. 7.]	ΛΑΜΥΑ ΚΗΝΩΝ Forepart of winged horse r.
70		Æ ·75	Head of bearded Priapus r., wreathed with ivy.	[Λ AM] Kantharos. Υ A
			Head of bearded Priapus r., wreathed with ivy.	Λ [A] MY within ivy-wreath. A
71		Æ ·65		
72		Æ ·4	(border of dots.) [Pl. xx. 9.]	(ΛAM YA)
73		Æ ·8	Head of Apollo r., laur. [Pl. xx. 8.]	ΛΑΜΥΑΚΗ ΝΩΝ Athena hel- meted standing facing, in r., Nike; l. resting on shield.

* Τιμῶται δὲ παρὰ Λαμψακηνοῖς ὁ Πρίαπος, ὁ αὐτὸς δὲν τῷ Διονύσῳ.
Athenaeus, i. 54. For a variety of this tetradrachm, see Waddington,
Voyage en Asie-Mineure, p. 74; Pl. VIII. 7.

No.	Metal. Size.	Obverse.	Reverse.
74	Æ ·6	Head of Demeter r., veiled. [Pl. xx. 10.]	ΛΑΜ Thunderbolt; beneath, fore- part of winged horse.
75	Æ ·9	Head of Apollo r., laur. [Pl. xx. 11.]	ΛΑΜ Lyre; on l., forepart of winged horse.
76	Æ ·65	Youthful male head r., laur. (Apollo ?).*	Forepart of winged horse r.; beneath, torch.
<hr/>			
<i>Imperial Coinage.</i>			
BRONZE.			
Augustus.			
77	Æ ·65	CEBACTOY Head of Augustus r., laur.	ΛΑΜΥΑ Priapus standing l. KHNΩN
		CEBACTOY Head of Augustus r., laur.	ΛΑΜ ΥΑΚ Priapus standing l.; r. hand raised.
78	Æ ·6		
79	Æ ·65		(Λ Α [Pl. xx. 13.] Μ Υ Α Κ)
Trajan.			
80	Æ ·6	ΑΥΤΤΡΑΙΑΝΟCΚΑΙ CEB[ΓΕΡΜ] Head of Trajan r., laur.	ΛΑΜΥΑ ΚΗΝΩΝ Statue, with base, of Priapus l.

* Cp. the specimen in Rollin and Feuermann's *Catal. d'une collection de médailles*, Paris, 1864, p. 303, no. 4678.

No.	Metal. Size.	Obverse.	Reverse.
81	Æ 1·1	<p style="text-align: center;">M. Aurelius.</p> <p>ΑΥΚΑΙ ΜΑΡΑΒΑΝ Bust of M. Aurelius r., bare, wearing paludamen- tum and cuirass. [Pl. xx. 16.]</p>	<p>Λ ΑΜΥ ΑΚΗΝΩΝ Statue, with base, of Priapus l.; holding in r. kantharos over lighted altar; in l., thyrsos.</p>
82	Æ ·75	<p style="text-align: center;">Faustina II.</p> <p>Φ[Α]ΥC[ΤΕ]ΙΝΑCΕΒ Bust of Faustina II. r.</p>	<p>ΛΑ ΜΥ ΑΚΗΝΩΝ Forepart of winged horse r.</p>
83	Æ ·7	<p style="text-align: center;">Commodus.</p> <p>ΑΥΑΚΟ ΜΜΟΔΟC Bust of Commodus r., laur., wears paludamentum.</p>	<p>[ΛΑΜ]ΥΑΚ Η ΝΩ[Ν] Nike l.; in r., wreath; in l., palm.</p>
84	Æ ·9	<p style="text-align: center;">Sept. Severus.</p> <p>ΑΥΚΑΙΛCΕΠΤ ΙCΕΟ Bust of Sept. VΗΡΟC Severus r., laur., wear- ing paludamentum and cuirass.</p>	<p>ΛΑΝΥ ΑΚΗΝΩΝ (<i>sic</i>) Bust of Priapus r. [Pl. xx. 15.]</p>
85	Æ ·95	<p>.....CΕΠΤΙ CΕΟV Bust of Sept. ΗΡΟC Severus r., laur., wear- ing paludamentum and cuirass.</p>	<p>ΛΑΝ Υ ΑΚΗΝ[ΩΝ] Statue, with base, of Priapus l., holding in r. kantharos over lighted altar, in l., thyrsos.</p>

No.	Metal. Size.	Obverse.	Reverse.
Caracalla.			
86	Æ 75	A ANTONINVS Bust of Caracalla r., laur., wearing paludamentum and cuirass.	ΛΑΜΥΑ ΚΗΝΩΝ Kybele seated l. on throne; in outstretched r., patera; before her, lion. [Pl. xx. 14.]
87	Æ 8	ΑΥΜΑΥ ΑΝΤΩΝΕΙ Bust of Caracalla r., laur., wearing paludamentum and cuirass.	ΛΑ ΜΥ ΑΚΗΝΩ Homonoia standing l., holding patera in r. over lighted altar; in l., cornucopiae.
Philip I.			
88	Æ 1.45	ΑΥΤΟΚΜΙΟΝΛΙΟCΦ ΙΛΙΠΠΟC Bust of Philip I. r., laur., wear- ing paludamentum and cuirass.	ΕΠΙCΤΡ ΛΑΜΥΑΚΗ Within hexa- NΩN style temple, Priapus standing l.; in r., kantharos. [Pl. xx. 12.]
Trebonianus Gallus.			
89	Æ 9	ΑΥΤΚΟΒΙΤΡΓΑΛΛ ΟC Bust of Treb. Gallus r., laur., wear- ing paludamentum and cuirass.	ΛΑΝΥΑ ΚΗ Athena, wearing NΩ helmet and N chiton with diplois, standing l.; l. hand rests on shield; on her r. hand Nike r. hold- ing wreath.
90	Æ 9		ΕΠΙCΤΡΕΥΤ VXΙΩΝ
			ΕΠΙCΤΡCOC CΙOV
Valerian I.			
91	Æ 9	ΑΥΤΚΠΑΙΟΝΑΛΕΡΙ ΑΝ Bust of Valerian I. r., laur., wearing paluda- mentum and cuirass.	ΕΠΙΔΑ Φ ΛΑΝΥΑΚ Athena standing l. NO H (similar type V N to no. 89). Ω N

No.	Metal. Size.	Obverse.	Reverse.
92	Æ 85	<p style="text-align: center;">Gallienus.</p> <p>ΑΥΤΟΓ ΑΛΛΙΗΝΟ C</p> <p>Bust of Gallienus r., laur., wearing paludamentum and cuirass.</p>	<p>ΛΑ ΝΥ ΑΚΗΝ Statue, with base, Ω of Priapus l., N holding in r., kantharos over altar; in r., thyrsos.</p> <hr/> <p style="text-align: center;">ALLIANCE COIN.</p> <p style="text-align: center;">PHOCAEA AND LAMPSACUS.</p> <p style="text-align: center;"><i>See</i> PHOCAEA (<i>Catal. Ionia</i>).</p> <hr/>

No.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">MILETOPOLIS.</p> <p style="text-align: center;"><i>Fourth century B.C.</i></p> <p style="text-align: center;">BRONZE.</p>			
1	Æ ·75	Head of Athena r., wearing crested helmet. [Pl. xxi. 1.]	MIA HTO Owl facing, with double body.
2	Æ ·5	Youthful male head r.; hair short.	Owl facing, with double body: in field, r., two annulets.
3	Æ ·5	Youthful male head r.; hair long. [Pl. xxi. 2.]	MIAHTO Bull l.; beneath, bird (owl?) l.
4	Æ ·5	Youthful male head r.; hair long.	HMI Λ Bull l.
5	Æ ·5	Head of Athena, three-quarter face towards r., wearing crested helmet.	[MIAH]T[O]? Owl facing, with double body.
<p style="text-align: center;"><i>Second or first century B.C.</i></p> <p style="text-align: center;">BRONZE.</p>			
6	Æ ·8	Head of Athena r., wearing crested helmet.	MIAHTOΠOΛITΩN Owl facing, with double body.
7	Æ ·75	(head smaller than on no. 6). Countermark, griffin?	

No.	Metal. Size.	Obverse.	Reverse.
<i>Imperial Coinage.</i>			
BRONZE.			
Trajan.			
8	Æ 1.35	ΑΥΚΑΙΝΕΡΤΡΑΙΑ Ν ΟCCEBΓΕΡΔΑΚΙΚΟC Head of Trajan r., laur.	ΕΠΙΜΕΠΟΤΑΙΟΝ·ΛΙΚ·ΒΑΛΒ ΟΥ·ΜΕΙΛΗΤΟΠΟΛΕΙΤΩΝ· Hermes wearing petasos, seated l. on rock; in r., caduceus; l. rests on rock.* [Pl. xxi. 3.]
9	Æ .65	ΑΥΚΑΙΝΕΡΤ ΡΑΙ ΑΝ ΟC Head of Trajan r., laur.	ΜΕΙΛΗΤΟΠ Π ΟΛΕΙΤΩΝΕΝ [Pl. xxi. 4.] Caduceus, winged.
Hadrian.			
10	Æ .8	ΑΥΤΚΤΙΑΙΑ ΑΔΡΙΑ ΝΟ Bust of Hadrian r., laur.	ΜΕΙΛΗΤΟΠΟΛΕΙ ΤΩΝ Bust of Athena r., helmeted. [Pl. xxi. 5.]
Antoninus Pius.			
11	Æ 1.05	ΑΥΚΑΙΤΙΑΙΑΔΡΙ ΑΝ ΤΩΝ[ΕΙΝΟC] Bust of Ant. Pius r., bare, wearing paludamentum. [ΚΛ·ΦΛ]ΔΙΦΙΛΟΝΜΕΙΛ ΗΤΟΠΟΛΕΙ [ΤΩΝ]† Young Dionysos, naked, wearing endro- mides, standing l.; holding in r., kantharos (over altar?); in l., thyrsos.
Lucilla.			
12	Æ .85	ΛΟΥΚΙΑΛΛΑ CEBAC ΤΗ Bust of Lucilla r.	ΜΕΙΛΗΤΟΠΟ ΛΕΙΤΩΝ Bust of Athena l., helmeted.
13	Æ .85	(ΛΟ ΥΚΙΑΛΛΑ CEBAC ΤΗ)	(ΜΕΙΛΗΤΟΠΟΛΕ ΙΤΩΝ)

* For other mentions of the Ἐπιμελητής on coins, see *Hermes*, viii. 228—230; Head, *Hist. num.*, p. lxxvii.

† With the inscription compare *Num. Chron.* vi. p. 157, and *Mion.* ii. p. 570, no. 358.

No.	Metal. Size.	Obverse.	Reverse.
Commodus.			
14	Æ 1.5	ΑΥ·ΚΑΙ·Λ·ΑΥΡΗΛΙ ΚΟΜΟΔΟΣ Bust of Commodus [with slight whisker] r., laur., wearing paludamentum.	ΕΠΙΣΤΡΑΕΥΤΥΧΟΝ ΕΛΕΙΞΑΝ ΔΡΥ ΜΕΙΛΗΤΟΠΟΛΕΙΤΩΝ Hermes, wearing petasos, seated l. on rock; in r., caduceus; l. rests on rock.
J. Domna.			
15	Æ .8	ΙΟΥΛΙΑ ΔΟΜΝΑ Bust of J. Domna r.	ΜΙΛΗΤ ΟΠΟΛΙΤΩ Ν Bust of Athena r., helmeted.
16	Æ .8	ΙΟΥΛΔΟ[ΜΝ]Α ΣΕΒ ΑΚΤ Bust of J. Domna r.	ΜΕΙΛΗΤΟΠΟΛΕΙΤΩΝ Three ears of corn.
J. Paula.			
17	Æ 1.2	ΙΟΥΛΙΑ ΠΑΥΛΑ Bust of J. Paula r.	ΜΕΙΛΗΤΟ ΠΟΛΕΙΤΩΝ Artemis huntress l.; in r., bow; l. draws arrow from quiver; in front, dog.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">PARIUM.*</p> <p style="text-align: center;"><i>Circ.</i> B.C. 500—400.</p> <p style="text-align: center;">SILVER.</p>				
			Gorgoneion.	Within incuse square, cruciform pattern, usually with pellet in centre.†
1	60·1	AR ·55		
2	56·2	AR ·5		
3	50·	AR ·5	[Pl. xxi. 6.]	
4	49·6	AR ·5		
5	49·2	AR ·45		
<p>* The following electrum stater in the British Museum may possibly be of Parium, and would be its earliest coin, being of about the date B.C. 700:—<i>obv.</i> Gorgon-head facing; <i>rev.</i> Incuse, containing stellate pattern with large pellet in centre, and four pellets at extremities. El. Wt. 123·46 grains, photographed in Head's <i>Guide to the Coins of the Ancients</i>, Pl. i. 4; Period I. A. 4; see also Head, <i>Brit. Mus. Cat., Ionia</i>, p. 13; Pl. ii. 14. In his <i>Electrum coins</i>, &c., in the <i>Num. Chron.</i>, 1887, Mr. Head assigned this coin (Pl. x. 34, no. 34) to Eretria, but in the <i>Guide (l.c.)</i> he classes it among the uncertain coins of Asia Minor. M. Waddington has kindly informed me that he has a similar coin, which was sent him from the Dardanelles, and which was found in a tomb in the neighbourhood. This provenance, together with the gorgoneion type of the obverse, favour the attribution—now suggested by Mr. Head and M. Waddington—to Parium. It may be added that the British Museum specimen was bought in 1877 from Mr. J. T. Stanton, together with sixteen other Greek coins, all of which were of Asia Minor, with the exception of a single specimen of Gortyna in Crete.</p> <p>† Nos. 3, 6, 9 and 10, are from the collection of R. Payne Knight, who in his catalogue (<i>Nummi Veteres</i>, p. 138 (B)) attributed them to Parium. This attribution is also upheld by Mr. J. P. Six (<i>Z.f. N.</i>, 1876, p. 238), and though not absolutely certain, seems to be the best yet proposed. The arguments of Mr. Jan Six (<i>De Gorgone</i>, p. 5) in favour of Selge in Pisidia, do not seem to me convincing.</p>				

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Gorgoneion	Within incuse square, cruciform pattern, usually with pellet in centre.
6	49.	AR .5		
7	49.	AR .5 formerly plated.		
8	47.6	AR .5		
9	42.	AR .55		
10	36.6	AR .5		
11	31.7	AR .6		
12	25.7	AR .55		
13	25.	AR .55		
			<i>Circ.</i> B.C. 400—300, or later.	
			SILVER.	
			Gorgoneion.	Γ A Bull standing l., looking PI back.
14	36.2	AR .55		
15	36.7	AR .6		
16	37.2	AR .55		
17	36.2	AR .5		beneath, bee.
18	32.7	AR .55		above, bell.
19	37.3	AR .55		beneath, bucranium.
20	36.9	AR .55	[Pl. xxi. 8.]	„ club.


No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Gorgoneion.	<p>Γ A Bull standing l., looking PI back.</p> <p>(Γ A beneath, crescent. PI)</p>
21	34.2	AR .5		
22	36.6	AR .55		above, dolphin.
23	36.6	AR .55		beneath, ear of corn.
24	34.5	AR .5		„ bunch of grapes.
25	37.	AR .55	[Pl. xxi. 7.]	„ „
26	38.	AR .55		„ harpa?
27	36.2	AR .55		„ ivy-leaf.
28	37.2	AR .6		„ laurel-branch.
29	35.5	AR .55		„ „
30	37.5	AR .55		above, patera.
31	37.	AR .5		(Γ A beneath, patera. PI)
32	37.9	AR .5		„ „
33	31.5	AR .5		„ „
34	36.5	AR .5		(Γ A „ scallop shell. PI)
35	35.1	AR .5	[Pl. xxi. 9.]	„ star.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Gorgoneion.	Γ A Bull standing l., looking P I back. beneath, star.
36	34.3	AR .6		" "
37	35.4	AR .55		" "
38	37.3	AR .6		" wreath.
39	34.9	AR .55		" "
Circ. B.C. 350—300, or later.				
BRONZE.				
			Bull butting r.	Γ A The great altar of Parium,* P I seen from front and side, garlanded; altar lighted.
40	Æ .7		above, bunch of grapes. [Pl. xxi. 10.]	in front of altar, amphora.
41	Æ .7		beneath, " "	" " "
42	Æ .8		above, wreath. [Pl. xxi. 11.]	" " "
43	Æ .35		(border.) [Pl. xxi. 12.]	(Γ A P I)
44	Æ .35		(")	(inser. obscure.)

* 'Ἐκδομήθη ἐν τῇ Παρίῳ βωμός, Ἑρμοκρέοντος ἔργον, πολλῆς μνήμης ἔξιν κατὰ τὸ μέγεθος καὶ κάλλος. Strabo, xiii. 1, 13. Ἐν ταύτῃ [at Parium] μὲν οὖν ὁ βωμός λέγεται θεῶς ἄξιος, σταδίαίας ἔχων τὰς πλευράς. Strabo, x. 5, 7. Specimens of coins of this type were procured by R. Walpole (*Memoirs relating to European and Asiatic Turkey*, London, 1818, i. p. 88) at Kamares, the site of Parium. For other varieties, see Imhoof-Blumer, *Monnaies grecques*, p. 250, nos. 114-116.

No	Metal. Size.	Obverse.	Reverse.
		Bull r.	Γ A The great altar of Parium, P I seen from front and side, garlanded ; altar lighted.
45	Æ .45	[Pl. xxi. 13.]	
46	Æ .45	above, Δ?	
47	Æ .4	above, ⤴	
48	Æ .45		in front of altar, amphora.
49	Æ .4		” ” ”
50	Æ .35		(Γ [A] P I)
		Bull butting l.	Γ A Torch : the whole in corn- P I wreath.
51	Æ .6		Pl. xxi. 14.]
52	Æ .6		
53	Æ .6	above, star ; beneath, /F	
54	Æ .55	(bull butting r. : border of dots.)	
55	Æ .5	(border of dots.) [Pl. xxi. 15.]	
56	Æ .5	” ”	

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			<p>CISTOPHORI.</p> <p>Struck at Parium.</p> <p><i>Circ.</i> B.C. 200—133.</p>	
			Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	<p>Π (mint-mark of Parium) in field l.</p> <p>Two coiled serpents with heads erect; between them, a bow-case (ornamented with an aplustre) containing a strung bow.</p>
57	190.2	AR 1.05		(Π) in field, r., bee.
58	196.2	AR 1.2		,, ,, dolphin (?)
59	194.2	AR 1.1	[Pl. XXI. 16.]	,, ,, elephant's head.
60	197.	AR 1.3		,, ,, griffin (?) seated r.
61	191.6	AR 1.1		,, ,, pileus.
<p>[During the earlier part of this period (after <i>circ.</i> B.C. 190 ?) the following tetradrachms (not represented in the British Museum), were issued at Parium :—</p> <p>(i.) <i>Obv.</i> Gorgoneion. <i>Rev.</i> ΠΑΡΙΑΝΩΝ Nike standing l., holding wreath and palm; in field, l., cornucopiae and ΠΡ; in field, r., ear of corn.</p> <p>AR Tetradrachm, Wt. 209½ grains. In Hunter Collection, Glasgow, (Combe, <i>Num. Vet.</i> pl. 41, fig. 16).</p> <p>(ii.) <i>Obv.</i> Head of Demeter r.</p> <p><i>Rev.</i> ΑΠΟΛΛΩΝΟΣ ΠΑΡΙΑΝΩΝ ΑΚΤΑΙΟΥ ΠΟΛΥΚΛΗΣ Apollo</p> <p>Aktaeos standing l. between a flaming altar and the omphalos: in r., patera; in l., lyre.</p> <p>AR Attic tetradrachm, in the collection of the late Rev. S. S. Lewis, of Cambridge (now at Corpus Christi College, Cambridge), from the Bompois Sale (<i>Sale Cat.</i> Pl. v, 1399; and Overbeck, <i>Griech. Kunstmythol.</i> Apollo, Pl. IV. 18; page 302): see also Dumersan, <i>Haute-roche Coll.</i>, Pl. XII., no. 13.]</p>				

No	Metal. Size.	Obverse.	Reverse.
BRONZE.			
<i>Circ.</i> B.C. 200—Augustus.			
62	Æ 6	Head of Zeus r.; behind, top of sceptre?: border of dots. [Pl. xxii. 1.]	Π A P I Artemis huntress r.; in r., bow; in l., spear.
63	Æ 45	Head of Zeus r., laur.	Π A P I Thunderbolt, winged.
64	Æ 7	Head of Pallas r., helmeted. [Pl. xxii. 2.]	Π A P I Thunderbolt, winged.
65	Æ 6	Head of Medusa.	Π A P I Owl on palm-branch.
66	Æ 5		
67	Æ 35	Head of Medusa. [Pl. xxii. 3.]	Π A P I Bull r.
68	Æ 9	Head of Medusa.	Π A [P] I Eagle standing r.
		(restruck.)	
		Head of Medusa: border of dots.	Π A P I ANΩN Eagle standing r.: in field, r., Π AE: the whole in wreath.
69	Æ 9	Countermark,  ? [Pl. xxii. 4]	
70	Æ 55	Head of Pallas r., helmeted.	Π A P I Bull r.

No.	Metal. Size.	Obverse.	Reverse.
71	Æ 75	Bust of Hermes r., wearing petasos and chlamys; at shoulder, caduceus.	Π Α Lyre. P I
72	Æ 75	Bust of Artemis r.; bow and quiver at shoulder: border of dots. [Pl. xxii. 5.]	ΠΑΡΙ Α Eagle standing r.: the ΝΩΝ whole in wreath. ΑΣΚΛΗΠ[Ι] ΑΔΗ[Σ]
73	Æ 55	Bust of Artemis r.; bow and quiver at shoulder: border of dots.	ΠΑ Stag r. P I
74	Æ 5	Bust of Pallas r., helmeted: border of dots.	[Π Α] Altar. P I
75	Æ 45	Female head r.: border of dots.	Π Α Altar, lighted. [Pl. xxii. 6.] P I
76	Æ 4	Female head r.	Π Α Sistrum. P I

No.	Metal. Size.	Obverse.	Reverse.
<i>Colonial Coinage.</i> (a. Without heads of Emperors.) BRONZE. <i>Time of Augustus?</i>			
77	Æ ·55	C G Female head r., P I wearing stephane : border of dots.	PIC·MVC Ewer : border of dots. IIII·I·D·D·D* (MVC·PIC [II]II·I·D·D·D)
78	Æ ·6	[Pl. xxii. 7.]	
79	Æ ·6		
80	Æ ·55	C G Female head r., I P wearing stephane: border of dots.	D D Ewer : border of dots.
81	Æ ·6		
82	Æ ·55	[Pl. xxii. 8.]	
<i>Time of Valerian?</i>			
83	Æ ·8	PARIOCONDIT Youth- ful male head l. (the Founder Parius) : border of dots. [Pl. xxii. 9.]	CGIHP† Capricorn r., holding globe: behind, cornucopiae : border of dots.

* Dans les lettres qui suivent les deux noms de magistrats . . . il faut voir, suivant l'avis de M. Mommsen, *quatuor viri jure dicundo decurionum decreto.*" Imhoof-Blumer, *Monnaies grecques*, p. 251.

† *Colonia Gemella* (?) *Iulia, Hadriana, Pariana*. Cp. Imhoof-Blumer *Monn. gr.*, p. 254.

No.	Metal. Size.	Obverse.	Reverse.
(b. With heads of Emperors.)			
BRONZE.			
Augustus.			
84	Æ .95	M BARBATIO ILIO II VIR CGIP Head of Augustus r., bare. [Pl. xxii. 11.]	P·VIBIO·SAC (erdote.) CAES (aris.) Q·BARBA·PRAEF PROII VIR (praefecto pro ii. viris.) Colonist ploughing with two oxen r.
85	Æ 1·1	IMPCAESAR DIVI· F·C·G·I·P Head of Augustus r., bare.	M·AGRIPPA Head of Agrippa r., bare.
86	Æ .7	AVG Head of Augustus r., bare.	Two colonists ploughing with two oxen r.
87	Æ .7		
88	Æ .75		
Tiberius.			
		TIAVG Head of Tiberius r., bare.	Two colonists ploughing with two oxen r.
89	Æ .7	[Pl. xxii. 12.]	
90	Æ .65		
91	Æ .7		

No.	Metal. Size.	Obverse.	Reverse.
92	Æ 7	TI·AVG·DRVSVS·CA ESAR Heads of the Emperor Tiberius and Drusus Caesar r., jugate, bare.	Colonist ploughing with two oxen r.
		<p style="text-align: center;">Claudius.</p> TICLAV AVG Head of Claudius l., bare.	Two colonists ploughing with two oxen r.
93	Æ 7	Countermark, Capricorn.	
		<p style="text-align: center;">Nerva.</p> NERV AVG Head of Nerva l., laur.	Colonist ploughing with two oxen r.
		<p style="text-align: center;">Trajan.</p> TRAIANVS [A]VG Head of Trajan l., radiate.	Colonist ploughing with two oxen r.
		<p style="text-align: center;">Antoninus Pius.</p> ANTO (inscr. partly ob- scure.) Bust of Antoni- nus Pius r. [Pl. xxii. 10.]	CGI HP Bearded term.
		IMPANTO NINVS C(AES?..) Bust of Antoninus Pius l., wear- ing paludamentum and cuirass.	Colonist ploughing with two oxen r.
97	Æ 7	(inscription retrograde.)	

No.	Metal. Size.	Obverse.	Reverse.
98	Æ ·65	[ANTONI] NVSAVG Head of Antoninus Pius r., laur.	CGIHP Colonist ploughing with two oxen r.
		M. Aurelius.	
99	Æ ·7	(IMPCAESAR?) MAR Head of M. Aurelius I., bare.	CGIHP Colonist ploughing with two oxen r.
100	Æ ·75	IMPCAEMAVR [ANT ...?] Head of M. Aurelius r., laur.	CGIH [PAR?] Diana Lucifera advancing r., holding in each hand torch.
		Commodus.	
101	Æ ·6	IMPCAIA[V?] COM OD Bust of Commodus r., laur., wearing paluda- mentum and cuirass.	CGIHP Colonist ploughing with two oxen r.
102	Æ ·9	IMPCAIMAVR COM MODVS Bust of Commodus r., laur., wear- ing paludamentum and cuirass.	C·G·I·H·PA Wolf r., suckling Twins. (in ex.) P (sic)
103	Æ ·95	IMPCAIMAVR COMO DVS Bust of Commo- dus r., laur., wearing paludamentum.	C·G·I·H·P Capricorn r.; behind, cornucopiae.
104	Æ ·9	IMPCAIMAVR COM MODVS Bust of Com- modus r., laur., draped.	DEOAESC SVB* Aesculapius, CGIHP wearing himation, seated r. on throne; raising with r. hand the right fore-foot of a bull standing before him.

* Inscription obscure on this coin: cp. Rollin and Feuarent, *Catal. d'une Coll. de médailles* (1864), p. 305, no. 4720.—“Censet Belleyus . . . **SVB** explendum **SVB** *venienti*, tanquam Aesculapius subveniret pecudi quoque morbis afflictæ.” Eckhel, *D. N. V.* ii., 461. Cp. the same type on no. 114, *infra*; Pl. xxii, 16.

No.	Metal. Size.	Obverse.	Reverse.
Sept. Severus.			
105	Æ 6	IN·C[AI]L2E2EV· Bust of Sept. Severus r., draped.	CGIHP Colonist ploughing with two oxen r. [Pl. xxii. 13.]
J. Domna.			
106	Æ 75	IVL DOM NAAVG Bust of J. Domna r.	CGI HP Diana Lucifera advanc- ing r., holding in each hand torch. [Pl. xxii. 14.]
Caracalla.			
107	Æ 9	ANTONIN VSPIVSA Bust of Caracalla r., laur., wearing paludamentum and cuirass.	CGIHPA Wolf r., suckling Twins. R
108	Æ 9	ANTONIN VSPIVSA Bust of Caracalla r., laur., wearing paludamentum and cuirass.	C GI HPA Genius Populi Ro- mani, draped, standing l., holding in r. patera over altar; in l. cornu- copiae.
109	Æ 65	ANTON[I] NVSAV Bust of Caracalla r., laur., wearing paludamentum and cuirass.	CGIH PA Colonist ploughing with two oxen r.
Geta.			
110	Æ 55	2EPGE TASC[AI] Head of Geta r., draped, bare.	CGIH [PAR] Colonist ploughing with two oxen r.

No.	Metal. Size.	Obverse.	Reverse.
Macrinus.			
111	Æ ·9	IMPCMOPESEVMAC RINVS Bust of Ma- crinus r., laur., wear- ing paludamentum and cuirass.	CGIHP Capricorn r., holding globe; behind, cornucopiae.
Maximus.			
112	Æ ·7	IMPCA [I?] MAXIMVS Bust of Maximus r., bare, wearing paludamentum and cuirass.	CGI H PA Diana Lucifera ad- vancing r., holding in each hand torch.
Gordian III.			
113	Æ ·65	IMGOR DIANV Bust of Gordian III. r., laur., wearing paludamentum.	CGIH PAR Diana Lucifera ad- vancing r., holding in each hand, torch.
Otacilia.			
114	Æ ·9	OTAS SEVERAAV Bust of Otacilia r.	DECAESVP (blundered for DEO AESC·SVB) CGIHP Aesculapius, seated r. on throne, raising with r. hand the left fore- foot of a bull standing before him. [Pl. xxii. 16.]
Valerian I.			
115	Æ ·85	IMP·VALERIANVS AV Bust of Valerian I. r., radiate, wearing paluda- mentum and cuirass.	CGIHP Wolf r., suckling Twins.

No.	Metal. Size.	Obverse.	Reverse.
116	Æ 9	IMP·VALERIANVS P F AVG Bust of Vale- rian I. r., radiate, wearing paludamentum and cui- rass.	CGIHP Capricorn r., holding globe; behind, cornucopiae.
117	Æ 8	IMP·VALERIANVS P· F AVG Bust of Vale- rian I. r., radiate, wearing paludamentum and cui- rass.	COL·G· IVL ·H·PAR Victory standing facing on globe; on her head, globe, which she supports with both hands. [Pl. xxii. 15.]
Gallienus.			
		Blundered inscription. Bust of Gallienus r., laur., wearing paludamentum and cuirass.	CGIHP Wolf r., suckling Twins.
118	Æ 1·05	IMPLIC AIIGNGS? before head, spear-head.	
119	Æ 1·1	IMEG PLICIN?	PAR [IAHP?] CGIHP
120	Æ 1·1	IMPLI CINNGA	AIHYO· CGIHP
121	Æ 1·05	Blundered inscriptions (..... AVI NIUT?) Bust of Gallienus r., laur., wearing paludamentum and cuirass.	CGIHPA R[I]PIIV Herakles standing facing, leaning on club.
122	Æ 1·15	IMPLICINNGALLI Bust of Gallienus r., laur., wearing paluda- mentum and cuirass.	CGIHP Emperor on horse galloping r.; in r., spear.

No.	Metal. Size.	Obverse.	Reverse.
		Bust of Gallienus r., laur., wearing paludamentum and cuirass.	Statue on pedestal placed on two larger bases; round pedestal, two serpents entwined; on each side of statue, tall column, on which, Victory; behind statue and columns a wall is visible.
123	Æ 1·1	IMPLIC AIIIGNS? before head, spear-head (same die as no. 118.)	A 9 CGIH [Pl. xxii. 18.]
124	Æ 1·05	IMPC PLICIN	PAR IV INIC (inscr. obscure.) C G IH?
		Bust of Gallienus r., laur., wearing paludamentum and cuirass.	CGIHP Triumphal arch with three openings; the central opening surmounted by basis, on which is quadriga of elephants; the two side-openings (above each of which is a window), surmounted by pedestal, on which is a figure holding a wreath.
125	Æ 1·1	CGALL IENVS	[Pl. xxii. 17.]
126	Æ 1·1	IMPLIC INNGA	

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">PERGAMUM.</p> <p style="text-align: center;">(Before the establishment of the Pergamene Kingdom).</p> <p style="text-align: center;"><i>Circ.</i> B.C. 420—400.</p> <p style="text-align: center;">SILVER.</p>				
1	23·4	AR ·45	Head of Apollo r., laur.; hair short. [Pl. XXIII. 1.]	ΠΕΡΓΑ Bearded male head r.* in Persian head-dress; above, crescent: the whole in incuse square.
<p style="text-align: center;">BRONZE.</p>				
2		Æ ·35	Head of Apollo r., laur. [Pl. XXIII. 2.]	ΠΕΡΓΑ Two bulls' heads facing one another. between bulls' heads, grain of corn?
3		Æ ·35		above „ „ club.
<p style="text-align: center;">B.C. 310—283.†</p> <p style="text-align: center;">GOLD.</p>				
4	44·2	AV ·45	Head of Athena r., ‡ wear- ing crested helmet, necklace and earring. [Pl. XXIII. 3.]	The Palladium, brandishing in r., spear; in l., shield, from which hangs fillet; on the head, calathus; drapery hanging over each arm. §

* See J. P. Six in *Num. Chron.* 1890, p. 195.

† The gold coin, the earliest of the silver [and some of the earliest bronze?] described under this period, were probably issued, as M. J. P. Six has well urged (*Num. Chron.* 1890, p. 200) in B.C. 310, by Herakles of Pergamum, son of Alexander the Great and Barsine.

‡ On the worship of Athena at Pergamum, see Thraemer, *Pergamos*, p. 227 ff., and on the different epithets applied to her, see *Altertümer von Pergamon*, viii. 1, pp. 76, 77.

§ This coin (purchased for the British Museum at the Steuart Sale in 1838, lot 342), was originally procured by Mr. H. P. Borrell in 1836 at Pergamum (see *Num. Chron.* vi. 158).

No.	Wt.	Metal. Size.	Obverse.	Reverse.
SILVER.				
			Head of young Herakles r., in lion's skin.	The Palladium, brandishing in r., spear; in l., shield, from which hangs fillet; on the head, calathus; drapery hanging over each arm.
5	18.2	AR .45	[Pl. xxiii. 4.]	ΠΕΡΓΑ (fillet not visible.)
6	19.2	AR .45		"
7	19.4	AR .45		" (" ")
8	20.5	AR .45		ΠΕΡΓΑΜ
9	19.7	AR .45		ΠΕΡΓΑΜΗ
10	20.2	AR .4		"
BRONZE.				
			Head of Athena l., wearing crested helmet bound with olive-wreath.	ΠΕΡΓΑ Two bulls' heads facing one another.
11		Æ .7		
12		Æ .75		
13		Æ .7	[Pl. xxiii. 5.]	above, bee.
14		Æ .7	countermark, lion's head.	
15		Æ .7	(crest of helmet, varied).	(no inscription) above, thunderbolt.
16		Æ .75	" [Pl. xxiii. 6.]	above, ivy-leaf.

No.	Metal. Size.	Obverse.	Reverse.
		Head of Athena, helmeted.	ΓΕΡΓΑ (below the type). Head and neck of bull.
17	Æ ·65	(head r.)	(inscr. above the type: type r.); beneath, thunderbolt.
18	Æ ·6	(„ „) [Pl. xxiii. 7.]	(type r.) in field l., A.
19	Æ ·65	(„ „)	(„ „) „ „ owl.
20	Æ ·7	(„ l.) [Pl. xxiii. 8.]	(type l.) „ r., owl (and letter?)
21	Æ ·65	(„ „)	(„ „) „ „ „ „
		Head of young Herakles r., in lion's skin.	ΓΕΡ Head of Athena r., wearing crested helmet.
22	Æ ·4	[Pl. xxiii. 9.]	
23	Æ ·4		
		Head of Athena r., wearing crested helmet.	ΓΕΡΓ Two stars: above, ☉
24	Æ ·4		
25	Æ ·4	[Pl. xxiii. 10.]	

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">KINGS OF PERGAMUM.*</p> <hr style="width: 10%; margin: 10px auto;"/> <p style="text-align: center;">SILVER COINAGE.</p> <p style="text-align: center;">PHILETAERUS.</p> <p style="text-align: center;">B.C. 284—263.</p> <p style="text-align: center;">(i.) <i>As Governor for Seleucus Nicator.</i></p> <p style="text-align: center;">B.C. 284—281.</p>				
26	259·8	AR 1·1	Head of young Herakles r., in lion's skin: border of dots. [Pl. XXIII. 11.]	<p>ΣΕΛΕΥΚΟΥ Zeus wearing himation, seated l. on throne; in r., eagle; l. holds sceptre; in field, l., bust of Athena r., wearing crested Corinthian helmet; beneath throne, crescent.†</p> <p>ΒΑΣΙΛΕΩΣ</p>

* See the monograph of Dr. Imhoof-Blumer, *Die Münzen der Dynastie von Pergamon*, Berlin, 1884, reprinted from the *Abhandlungen der Königl. Preuss. Akademie der Wiss. zu Berlin*, 1884.

† This coin, which has been already described in the *B.M. Catal. Seleucid Kings*, p. 2, no. 12, was doubtless struck at Pergamum, as the symbols of the reverse occur also on tetradrachms inscribed **ΦΙΛΕΤΑΙΡΟΥ** (*obv.* Head of Seleucus Nicator. *Rev.* Athena seated): see Imhoof-Blumer, *op. cit.*, pp. 3, 15, 16. I am unable to accept M. Babelon's view (*Rois de Syrie*, p. xxxvii.) that the mint-place was Side.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			(ii.) <i>Independent.</i>	
			B.C. 281—263.	
			Head of divinized Seleucus I., Nicator * r., bound with taenia without ends: border of dots.	ΦΙΛΕΤΑΙΡΟΥ (to r. of type). Athena wearing crested helmet, chiton and peplos, seated l. on seat ornamented with lion's foot and with palmette; her outstretched r. resting on shield (ornamented with gorgoneion) placed before her; her l. resting on the sphinx-arm of the seat and holding spear; above r. arm of goddess, ivy-leaf; on r. of inscr., bow.
27	264.5	AR 1.25		in exergue, (A)
28	259.5	AR 1.1	[Pl. xxiii. 12.]	
29	262.1	AR 1.1		

* On the portrait cp. Imhoof, *op. cit.*, p. 22; Babelon, *Rois de Syrie*, p. xvii.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">EUMENES I.</p> <p style="text-align: center;">B.C. 263—241.</p>				
			Head of Philetaerus r., wearing diadem; border of dots.	ΦΙΛΕΤΑΙΡΟΥ (to r. of type). Athena wearing crested helmet, chiton and peplos, seated l. on seat ornamented with lion's foot and bearing the letter Α; her outstretched r. resting on shield (ornamented with gorgoneion) placed before her; her l. resting on the sphinx-arm of the seat and holding spear; beneath r. arm of goddess, ivy-leaf; on r. of inscr., bow.
30	261.7	AR 1.15	[Pl. xxiii. 13.]	
31	262.2	AR 1.15	wears laurel-wreath and diadem entwined.	[Pl. xxiv. 1.]
32	264.6	AR 1.15	" " " "	
33	264.4	AR 1.15	" " " "	
34	254.8	AR 1.15	" " " "	

No.	Wt.	Metal. Size.	Obverse.	Reverse.
ATTALUS I.				
B.C. 241—197.				
			Head of Philetaerus r., wearing laurel-wreath with tie: border of dots.	ΦΙΛΕΤΑΙΡΟΥ (to l. of type). Athena wearing crested helmet, chiton and peplos, seated l. on seat ornamented with lion's foot; her outstretched r. crowning king's name; spear resting at her r. side; her l. resting on shield (ornamented with gorgoneion) placed behind her; beneath r. arm of goddess, A: on r. of type, bow.
35	262.5	AR 1.25	[Pl. xxiv. 2.]	on l. of inscr., ivy-leaf.
36	263.1	AR 1.2		„ „ bunch of grapes.
37	262.3	AR 1.1		„ „ „ „
ATTALUS I. or EUMENES II.				
38	262.1	AR 1.15	Head of Philetaerus r., wearing laurel-wreath and diadem entwined: border of dots. [Pl. xxiv. 3.]	Same as nos. 35–37 of Attalus I., but on l. of inscr., bunch of grapes; beneath r. arm of Athena, A.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
EUMENES II.				
B.C. 197—159.				
			Head of Philetaerus r., wearing laurel-wreath and diadem entwined: border of dots.	ΦΙΛΕΤΑΙΡΟΥ (to l. of type). Athena wearing crested helmet, chiton and peplos, seated l. on seat ornamented with lion's foot; her outstretched r. crowning king's name; spear resting at her r. side; her l. resting on shield (or- namented with gorgoneion) placed behind her; on r. of type, bow.
39	263·	AR 1·2		on l. of inscr., palm; beneath r. arm of Athena, ΕΙ
40	265	AR 1·15		" " palm; " " ΜΕ
41	255·2	AR 1·25	(no border visible). [Pl. xxiv. 4.]	" " " " ΔΙ
42	262·6	AR 1·15	[Pl. xxiv. 6.]	" " cornucopiae; " " ΕΙ
43	259·	AR 1·15	(no border visible.)	" " bee; " " ΜΕ
44	263·2	AR 1·2	" "	" " " " Α
45	263·6	AR 1·15	(no border.)	" " " " ΑΡ
46	256·2	AR 1·25	" "	" " star; " " ΔΙ
47	235·2	AR 1·3	Head of Eumenes II. r., wearing diadem. [Pl. xxiv. 5.]	ΒΑΣΙΛΕΩΣ Two youthful male ΕΥΜΕΝΟΥ figures (the Dios- curi?) standing, facing, wearing laurel-wreaths (or pointed caps wreathed with laurel?), and chla- mydes falling over the left arms: the figure on l. holds spear in l.; the figure on r. holds spear in r.; in exergue, ΔΙΑ : the whole in laurel-wreath.*

* On this coin see Imhoof-Blumer, *Dyn. von Pergamon*, p. 13 and p. 36; and on the worship of the Dioscuri at Pergamum, see *Altertümer von Pergamon*, Bd. viii. 1, p. 150.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
ATTALUS II.				
B.C. 159—138.				
			Head of Philetaerus r., wearing laurel-wreath and diadem entwined.	ΦΙΛΕΤΑΙΡΟΥ (to l. of type). Athena wearing crested helmet, chiton and peplos, seated l. on seat ornamented with lion's foot; her outstretched r. crowning king's name; spear resting at her r. side; her l. resting on shield (ornamented with gorgoneion) placed behind her; on r. of type, bow.
48	259.6	AR 1.35	[Pl. xxiv. 7.]	on l. of inscr., cornucopiae; beneath r. arm of Athena, HM (l. arm not touching shield: shield orna- mented with aegis).
49	253.3	AR 1.25		on l. of inscr., thyrsos; beneath r. arm of Athena, A (l. arm not touching shield: shield ornamented with aegis).
50	261.8	AR 1.35	[Pl. xxv. 1.]	on l. of inscr., torch; beneath r. arm of Athena, M (no spear).
51	254.9	AR 1.25		on l. of inscr., <i>stylis</i> ?; * beneath r. arm of Athena, A Φ (no spear).
52	258.4	AR 1.3		on l. of inscr., <i>stylis</i> ?; beneath r. arm of Athena, M.
53	257.	AR 1.2	[Pl. xxv. 2.]	on l. of inscr.?; beneath r. arm of Athena, AE.

* M. Babelon (*Mémoires prés. au congrès internat. de Num.*, Bruxelles, 1891), recognizes in this object (usually called a 'trophy-stand') the support of the aplustre, which he identifies with the *στέλις*.

No.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">ATTALUS III.</p> <p style="text-align: center;">B.C. 138—133.</p> <p style="text-align: center;">[No issue of tetradrachms.]</p> <hr/> <p style="text-align: center;">BRONZE COINAGE.*</p> <p style="text-align: center;"><i>Reigns of PHILETAERUS, EUMENES I., ATTALUS I.</i></p> <p style="text-align: center;">(B.C. 281—197).</p>			
54	Æ ·5	Head of Athena r., wearing helmet ornamented with griffin.	ΦΙΛΕ ΤΑΙΡΟΥ Bow, strung.
55	Æ ·45	[Pl. xxv. 3.]	in field, r., bee.
56	Æ ·5		„ „ „
57	Æ ·55		„ „ star.
58	Æ ·5		between bow and string, ♂.
59	Æ ·6		beneath inscr., O.
<p>* Many of the types are the same as the symbols on the tetradrachms of the Pergamene kings : on the arrangement, see <i>Dyn. von Perg.</i>, pp. 38, 39.</p>			

No.	Metal. Size.	Obverse.	Reverse.
60	Æ ·5	Head of Athena r., wearing helmet, ornamented with griffin. [Pl. xxv. 4.]	ΦΙΛΕ ΤΑΙΡΟΥ Ivy-leaf.
61	Æ ·5		
62	Æ ·45		
<p style="text-align: center;">EUMENES II.</p> <p style="text-align: center;">B.C. 197—159.</p>			
63	Æ ·4	Head of Athena r., wearing helmet, ornamented with griffin. [Pl. xxv. 5.]	ΦΙΛΕ ΤΑΙΡΟΥ Star of eight rays.
64	Æ ·35		beneath star, ΔΙ
65	Æ ·4	Head of Apollo r., laur.* [Pl. xxv. 6.]	ΦΙΛΕ ΤΑΙ[ΡΟΥ] Bee; beneath, ΔΙ
66	Æ ·45	Head of Apollo r., laur. [Pl. xxv. 7.]	ΦΙΛΕ ΤΑΙΡΟΥ Tripod.
67	Æ ·4	Head of Apollo r., laur.	ΦΙΛΕ ΤΑΙΡΟΥ Thyrsos, filleted.

* Cp. a Pergamene inscription (3rd century B.C.), consisting of a list of θεάροι Ἀπόλλωνι, published in *Altertümer von Pergamon*, Bd. viii. 1, page 3. (Inscripfen), cp. *ib.* no. 16, note on line 23.

No.	Metal. Size.	Obverse.	Reverse.
68	Æ ·3	Head of Apollo r., laur.	ΦΙΛΕ ΤΑΙΡΟΥ Bow in case.
69	Æ ·3		
<p style="text-align: center;">ATTALUS II.</p> <p style="text-align: center;">B.C. 159—138.</p>			
70	Æ ·6	Head of Athena r., wearing helmet ornamented with griffin. [Pl. xxv. 8.]	ΦΙΛΕΤΑΙΡΟΥ Thyrsos, filleted.
71	Æ ·65		on l., M?
72	Æ ·65		„ M?
73	Æ ·7	Head of Athena r., wearing helmet ornamented with griffin. [Pl. xxv. 9.]	ΦΙΛΕΤΑΙΡΟΥ Asklepios, bearded, wearing himation over lower limbs, seated l.; his outstretched r. hand feeding serpent from patera; l. rest- ing on seat; behind him, sceptre.*
74	Æ ·65		
75	Æ ·5	Head of Athena r., wearing helmet ornamented with griffin.	ΦΙΛΕΤΑΙΡΟΥ Serpent coiled; head r.
76	Æ ·6	[Pl. xxv. 10.]	on l., Δ
77	Æ ·6		„ „

* See on this type, Wroth, 'Asklepios,' &c., in *Num. Chron.* 1882, pp. 14, 16.

No.	Metal. Size.	Obverse.	Reverse.
		Head of Athena r., wearing helmet ornamented with griffin.	ΦΙΛΕΤΑΙΡΟΥ Serpent coiled; head r.
78	Æ ·55		on l., M
79	Æ ·5		” ”
80	Æ ·55		” M (or Σ ?)
81	Æ ·6		” Ϻ
82	Æ ·5	[Pl. xxv. 11.]	” Ϻ
83	Æ ·65		” N ?

ATTALUS III.

B.C. 138—133.

[No coins.]

Coins Struck for Aegina under the Pergamene Kings ? *


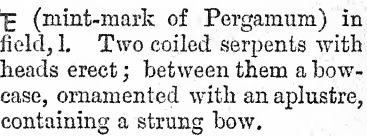


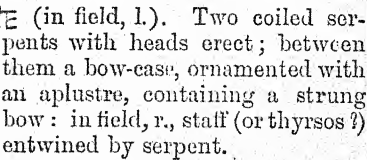
B.C. 211—130 ?

		Head of Asklepios r., laur.	ΦΙΛΕΤΑΙΡΟΥ Temple-key; † on l, snake r.
84	Æ ·6	[Pl. xxv. 12.]	
85	Æ ·65	(countermark, star.)	

For coins with Alexandrine types, probably of the time of Eumenes II., see Imhoof-Blumer, *Dyn. von Pergamon*, pp. 16, 17.

* See Imhoof-Blumer, *Dyn. von Pergamon*, pp. 38, 39; cp. *Altertümer von Pergamon*, Bd. viii. 1, p. 40.










† On the type, see Wirth, 'Asklepios' in *Num. Chron.* 1882, p. 17.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
CISTOPHORI.				
Struck at Pergamum.				
<i>Circ.</i> B.C. 200—133.				
			Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	<p>   </p>
86	191.4	AR 1 1		in field, r., caduceus.
87	196.5	AR 1.1		" " eagle.
88	194.2	AR 1.25		" " owl.
89	193.6	AR 1.1		" " thyrsos, filleted.
90	192.5	AR 1.25	[Pl. xxvi. 1.]	" " race-torch.
91	193.	AR 1.1		" " vase. [Pl. xxvi. 2.]
92	195.3	AR 1.2		" " dolphin?
93	150.5 worn.	AR 1.15		" " caduceus and club joined; above bow-case,  ; within coils of serpent, Y A.
B.C. 133—67.				
			Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	<p>   </p>
94	190.4	AR 1.1		above bow-case, AM

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	ΠΕ (in field, l.). Two coiled serpents with heads erect; between them a bow-case, ornamented with an aplustre, containing a strung bow: in field, r., staff (or thyrsos?) entwined by serpent.
95	192.	AR 1·1		above bow-case, AM
96	188·5	AR 1·05		" " A Σ
97	189·3	AR 1·2	[Pl. xxvi. 3.]	" " ΠΥ within wreath, and ΑΠ*
98	188·3	AR 1.		" " " star, and ΑΠ
99	188·2	AR 1·05		" " " " " "
100	197.	AR 1.		" " " " " "
101	193·3	AR 1.		" " " and AP
102	194·2	AR 1·1		" " " " AΣ
103	195·2	AR 1·1	[Pl. xxvi. 4.]	" " " " BA
104	171·2	AR 1.		" " " " B·A
105	200·4	AR 1·1		" " " " ΔH
106	193.	AR 1·1		" " " " ΔI
107	187·4	AR 1·1		" " " " "

* Twice struck, or restruck on another Cistophorus of the same type. On the reverse are traces of the letters ΑΠ.

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	ΤΕ (in field, l.). Two coiled serpents with heads erect; between them a bow-case, ornamented with an aplustre, containing a strung bow: in field, r., staff (or thyrsos?) entwined by serpent.
108	194.8	AR 1.1		above bow-case, ΔΙ.
109	195.3	AR 1.1		ΠΥ and ΕΥ
110	186.1	AR 1.1		ΗΡ
111	192.1	AR 1.05		ΠΥ and ΙΕ
112	195.2	AR 1.		KA
113	193.	AR 1.1		KT [Num. Chron. 1882, pl. 1. 7.]
114	193.7	AR 1.		MA
115	192.2	AR 1.		ME
116	191.2	AR 1.1		ΠΥ and ΜΗ
117	181.	AR 1.05		ΜΗ N O
118	188.8	AR 1.1		in wreath, and ΜΟΣ
119	186.	AR 1.15		" " " " " "
120	193.4	AR 1.05		TEY
121	186.3	AR 1.1		TH

No.	Wt.	Metal. Size.	Obverse.	Reverse.
			Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	<p>  (in field, l.). Two coiled serpents with heads erect; between them a bow-case, ornamented with an aplustre, containing a strung bow: in field, r., staff (or thyrsos?) entwined by serpent. </p> <p>above bow-case,  and </p> <p>" " " " </p> <p>" " </p>
122	178.5	AR 1.1		
123	194.2	AR 1.05		
124	194.6	AR 1.05		
125	188.2	AR 1.15		
Quarter Cistophorus (B.C. 133—67).				
			Lion's skin hanging over club: the whole within oak-wreath.	<p>  (in field, l.). Bunch of grapes on vine-leaf; in field, r., staff (or thyrsos?) entwined by serpent. </p> <p>above type,  and </p>
126	44.8	AR .6	[Pl. xxvi. 5.]	
Cistophori of Q. Caecilius Metellus Pius Scipio, Imperator.*				
B.C. 49—48.				
			Cista mystica with half-open lid, from which a serpent issues l.: the whole in wreath of ivy.	<p>  (in field, l.) Q·METELLVS·PIVS· SCIPIO IMPER Two coiled serpents with heads erect; between them, legionary eagle. </p>
127	186.9	AR 1.2	[Head, <i>Guide to Coins of Ancients</i> , Pl. 60, 5.]	
128	185.7	AR 1.05	[Pl. xxvi. 6.]	

* He issued coins in his military capacity ('Imperator'). He was not 'Proconsul' of Asia. (Waddington, *Fastes*, no. 35.)

No.	Metal. Size.	Obverse.	Reverse.
<p>COINAGE OF PERGAMUM AFTER THE END OF PERGAMENE KINGDOM.</p> <p>B.C. 133—Augustus.</p> <p>(For Cistophori struck during part of this period, see <i>supra</i>, nos. 94—128. For coins of Mithradates Eupator struck at Pergamum, B.C. 89-88, see <i>B. M. Cat., Pontus, &c.</i>, p. xxvi. and p. 43.)</p> <p>BRONZE.</p>			
		Bust of Athena l., wearing crested helmet and aegis.	ΠΕΡΓΑΜΗΝΩΝ Asklepios standing facing; in r., snake-encircled staff.
129	Æ 1.	beneath, ΜΙΘΡΑΔΑΤΟΥ [Pl. xxvi. 7.]	
130	Æ 1.	" "	
131	Æ .9	" "	
132	Æ .95	" "	
133	Æ .95		
134	Æ .95		
		Head of Athena r., wearing crested helmet ornamented with star.	ΠΕΡΓΑΜΗ Nike standing r., crowning inscription with wreath held in r.; in l., palm.
135	Æ .75	[Pl. xxvi. 8.]	
136	Æ .75		
137	Æ .7		
138	Æ .7		

No.	Metal. Size.	Obverse.	Reverse.
		Head of Athena r., wearing crested helmet.	ΠΕΡΓΑΜΗΝΩΝ Nike standing r., crowning inscription with wreath held in r.; in l., palm.
139	Æ ·85	beneath, ΠΕΡΓΑΜΗΝ	⟨ΠΕΡΓΑΜΗΝ⟩
140	Æ ·75	„ ΔΗΜΗΤΡΙΟΥ [Pl. xxvi. 9.]	
141	Æ ·75	„ ΔΙΟΔΩΡΟΥ	
142	Æ ·8	„ ΕΠΙΠΕΡΓΑΜΟΥ	
143	Æ ·8	„ ΧΟΡΕΙΟΥ	
		Head of Asklepios r., laur.: border of dots.	Π ΕΡ Eagle l. on thunderbolt, Γ Α looking back. ΜΗΝΩΝ
144	Æ ·8	[Pl. xxvii. 1.]	
145	Æ ·9		
146	Æ ·9	(Head larger).	
147	Æ ·8	beneath, ΕΠΙΠΕΡΓΑΜΟΥ	
148	Æ ·85	„ „ „	
149	Æ ·85	„ ΣΕΛΕΥΚΟΥ [Pl. xxvii. 2.]	(A for Α)
		Head of Asklepios r., laur.	ΑΣΚΛΗΠΙΟΥ Snake-encircled ΣΩΤΗΡΟΣ staff of Asklepios.*
150	Æ ·6	beneath, ΔΙΟΔΩΡΟΥ	

* On the inscription and type, see Wroth, 'Asklepios,' in *Num. Chron.* 1882, pp. 23, 24.

No.	Metal. Size.	Obverse.	Reverse.
151	Æ ·65	Head of Asklepios r., laur. beneath, ΔΙΟΔΩΡΟΥ	ΑΣΚΛΗΠΙΟΥ Snake-encircled ΣΩΤΗΡΟΣ staff of Asklepios.
152	Æ ·65	„ „	
153	Æ ·6	„ .. ΑΤΕ. (?)	
154	Æ ·6		(ΑΣ ΚΛΗΠΙΟΥ ΣΩΤΗΡΟΣ)
155	Æ ·55	[Pl. xxvii. 3.]	„
156	Æ ·6		„ [Num. Chron. 1882, pl. i. 10.]
157	Æ ·55		„
158	Æ ·7	Head of Asklepios r., laur. Pl. xxvii. 4.]	ΑΣΚΛΗΠΙΟΥ Serpent of Asklepios ΣΩΤΗΡΟΣ coiled r. round netted omphalos.*
159	Æ ·75		
160	Æ ·8		in field, l, owl.
161	Æ ·8		countermark, owl.
162	Æ ·75		„ „
163	Æ ·65	ΑΣΚΛΗΠΙΑΔΟΥ Head of Hygieia r.; in front, serpent. [Pl. xxvii. 5.]	ΑΣΚΛΗΠΙΟΥ Serpent of Asklepios ΚΑΙ ΥΓΙΕΙΑΣ coiled r. round omphalos.

* On the inscription and type, see Wroth, *op. cit.*, pp. 23, 24.

No.	Metal. Size.	Obverse.	Reverse.
		Head of Asklepios r.: border of dots.	Serpent of Asklepios coiled round crooked staff: border of dots.
164	Æ ·6	[Pl. xxvii. 6.]	
165	Æ ·6	(no border.)	(no border.)
166	Æ ·6	[Pl. xxvii. 7.]	in field, r., V?
167	Æ ·7		
168	Æ ·7		
169	Æ ·55	(type 1.: no border). [Pl. xxvii. 8.]	in field, r., Γ
170	Æ ·7	(type 1.)	„ 1. „
171	Æ ·75	Head of Apollo r., laur. [Pl. xxvii. 9.]	ΑΣΚΛΗΠΙΟΥ Tripod. ΣΩΤΗΡΟΣ
		Head of Athena r., wearing crested helmet.	ΑΘΗΝΑΣ ΝΙΚΗΦΟΡΟΥ ΤΤΕ (mint-mark of Pergamum) in field, r. Trophy con- sisting of helmet and cuirass.
172	Æ ·8	[Pl. xxvii. 10.]	
173	Æ ·8		
174	Æ ·8		
175	Æ ·8		

No.	Metal. Size.	Obverse.	Reverse.
176	Æ ·85	Head of Athena r., wearing crested helmet.	ΑΘΗΝΑΣ ΝΙΚΗΦΟΡΟΥ ΤΤΕ (mint-mark of Pergamum) in field, r. Trophy consisting of helmet and cuirass.
177	Æ ·85	(restruck.*)	without ΤΤΕ ; in field, r. ΑΕ ?
178	Æ ·9		” ” ” ” ?
179	Æ ·75		” ” ” ” Ε Φ
180	Æ ·7		” ” ” l. Δ
181	Æ ·75		” ” ”
182	Æ ·8		” ” ”
183	Æ ·65	Bust of Athena r., draped, wearing crested helmet: border of dots.	ΑΘΗΝΑΣ ΤΤΕ Owl, with wings closed, facing: the whole in olive-wreath.
184	Æ ·6	countermark, snake-encircled staff.	[Pl. xxvii. 11.]
185	Æ ·55	Head of Athena r., wearing crested helmet ornamented with star.	ΑΘΗΝΑΣ ΝΙΚΗΦΟΡΟΥ Owl, with wings closed, facing: the whole in olive-wreath.
186	Æ ·5	[Pl. xxvii. 12.]	

* Probably on a coin of Pergamum similar to no. 158, p. 129, *supra*, (obv. Head of Asklepios: rev. Omphalos with serpent). On the obverse, the head of Asklepios is visible.




No.	Metal. Size.	Obverse.	Reverse.
187	Æ ·65	Head of Athena r., wearing crested helmet ornamented with star. [Pl. xxvii. 13.]	ΑΘΗ ΝΑΣ ΝΙΚΗ ΦΟΡΟΥ Owl, with wings closed, on thunder- bolt.
188	Æ ·6		
SILVER.			
189	AR ·5	Head of Athena r., wearing crested helmet. (Weight 22·9 grains.) [Pl. xxvii. 14.]	ΑΘΗΝΑ[Σ] ΝΙ ΚΟ ΝΙΚΗΦΟΡ Owl, with wings spread, facing, on palm-branch.*
BRONZE.			
190	Æ ·7	Head of Athena r., wearing crested helmet ornamented with star.	ΑΘΗ ΝΑΣ ΝΙΚΗΦΟΡΟΥ Owl, with wings spread, facing, on palm-branch.
191	Æ ·7		
192	Æ ·65		
193	Æ ·65		in field l., Α
194	Æ ·65		” ” ”

* This specimen was formerly in the collection of Mr. H. P. Borrell (see *Num. Chron.* vi., p. 159). Another is described in J. Sambon's *Catalogue d'une... collection de Médailles grecques*, &c. (formed by a Russian amateur and sold at Milan, 25th March, 1889), p. 115, no. 1017, with the reading ΝΙ ΠΕ. The coin described in our text reads ΝΙ and (apparently) ΚΟ.

No.	Metal. Size.	Obverse.	Reverse.
		Head of Athena r., wearing crested helmet ornamented with star.	ΑΘΗ ΝΑΣ ΝΙΚΗΦΟΡΟΥ Owl, with wings spread, facing, on palm-branch.
195	Æ .55		in field, l., Α; in field, r., Ν
196	Æ .65		” ” ” ” ” ΑΡ
197	Æ .75		” ” Κ ” ” Σ
198	Æ .7		” ” ” ” ” ”
199	Æ .65		” ” ” ” ” ”
200	Æ .65		(ΑΘΗΝΑΣ for ΑΘΗ ΝΑΣ) in field, l., Μ; in field, r., Α
201	Æ .7	[Pl. xxvii. 15.]	” ” Π ” ” Δ
202	Æ .7		” ” Α ” ” Μ
203	Æ .65		” ” ” ” ” ”
204	Æ .6		” ” Η ” ” Α

No.	Metal. Size.	Obverse.	Reverse.
<i>Imperial Coinage.</i> BRONZE. (a. Without heads of Emperors.) Augustus—Hadrian.			
		ΘΕΟΝCYN ΚΑΗΤΟΝ	ΘΕΑΝΡΩ ΜΗΝ Female bust r. (Roma), draped and turreted.*
205	Æ .65	Youthful male bust (the Senate) r., draped; head bare.	
206	Æ .7		
207	Æ .7		
208	Æ .7		
209	Æ .65		
210	Æ .8		
211	Æ .75	[Pl. xxvii. 16.]	in front, uncertain symbol.
212	Æ .75		„ crescent.
213	Æ .75		„ „
214	Æ .7	in front, eagle with wreath; behind, palm.	(ΘΕΑΝΡΩ Μ Η Ν) in front, eagle with wreath; behind, palm.
215	Æ .7	„ „ „ „	(ΘΕΑΝ ΡΩΜΗΝ) in front, eagle with wreath; behind, palm.

* A large hoard of these coins was discovered about 1827 in the neighbourhood of Pergamum (Boutkowski, *Dict.*, p. 1341, no. 2318).

No.	Metal. Size.	Obverse.	Reverse.
		ΘΕΟΝCYN ΚΛΗΤΟΝ Youthful male bust (the Senate) r., draped; head bare.	ΘΕΑΝΡΩ ΜΗΝ Female bust r. (Roma), draped and turreted.
216	Æ ·65	in front, 	(ΘΕΑΝ ΡΩΜΗΝ)
217	Æ ·65	(ΘΕΟΝC VN ΚΛΗΤΟΝ)	(ΘΕΑΝ ΡΩ ΜΗΝ) in front,  (?)
218	Æ ·7		(" " ") " " "
219	Æ ·7		(ΘΕΑΝ ΡΩΜΗΝ) " " "
220	Æ ·7		(" ") " " "
221	Æ ·7		(ΘΕΑΝ ΡΩ ΜΗΝ) " 
Vespasian.			
(Vettius Bolanus, Proconsul of Asia, <i>circ.</i> A.D. 77).*			
		ΘΕΑΝ ΡΩ ΜΗΝ Female bust r. (Roma), draped and turreted.	ΕΠΙΒΩ ΛΑΝΟΥ Nike r., holding in r., wreath; in l., palm.
222	Æ ·6	[Pl. xxvii. 17.]	
223	Æ ·65		
<p>* The attribution of nos. 222 and 223 to Pergamum is not certain, though the fabric, legend and type of the obverse are in favour of it (cp. no. 205 f., <i>supra</i>.) Other coins with the name of the Proconsul Bolanus were struck at Smyrna and bear the name of that city (cp. Waddington, <i>Fastes</i>, no. 97.)</p>			

No.	Metal. Size.	Obverse.	Reverse.
Time of Domitian, Trajan and Hadrian.			
224	Æ 1·15	ΠΕΡΓΑΜΟΣ ΚΤΙΣ ΤΗΣ Bearded male head r. (the founder Pergamos) wearing taenia.*	ΕΠΙΣΤΡΑΤΗΓΟΝ ΣΩΚΡΑΤΟΥ Athena, helmeted, standing l.; in r., patera; l. on shield; behind, spear.
225	Æ ·65	ΠΕΡΓΑΜΟΣ Bearded male head r. (the founder Pergamos), wearing taenia. (inscr. begins at bottom of coin.) [Pl. xxviii. 1.]	ΕΠΙΣΤΡΑΚΛ ΚΕΦΑΛΙΩΝΟΣ Snake-encircled staff; in field, l., grapes.
226	Æ ·75	(„ „ top „)	
227	Æ ·65	ΠΕΡΓΑΜΗ ΝΩΝ Bust of Athena r., helmeted. [Pl. xxviii. 2.]	ΣΤΡΙΠΩΛ ΛΙΩΝΟΣ Small naked figure † standing, facing; r. raised; in l., bird?
228	Æ ·7		
229	Æ ·65		
230	Æ ·6		(ΕΠΙΣΤΡΠΩ ΛΛΙΩΝΟΣ)

* On the hero Pergamos, see Thraemer, *Pergamos*, pp. 241-245; 391 (note); and *Berl. phil. Wochenschrift*, 1884, p. 286 (Ramsay).

† The same figure stands beside Asklepios on a coin of L. Verus described *infra*.

No.	Metal. Size.	Obverse.	Reverse.
231	Æ 5	Bust of Athena r., helmeted.	ΠΕΡΓΑ ΜΗΝΩΝ Telesphoros, in mantle with hood, standing facing.
232	Æ 6	Bust of Asklepios r.; in front, serpent.	ΠΕΡΓΑ ΜΗΝΩΝ Telesphoros, in mantle with hood, standing facing. [<i>Num. Chron.</i> 1882, pl. i. 16.]
233	Æ 6	Bust of Asklepios l.; in front, serpent. [Pl. xxviii. 3.]	ΠΕΡΓΑ ΜΗΝΩΝ Serpent coiled, with head erect, r.
234	Æ 6		
Gordian III.—Gallienus.			
235	Æ 8	ΙΕΡΑΣ VΝ ΚΛΗΤΟΣ Youthful male bust (The Senate) r.; head bare.	ΠΕΡΓΑΜΗ ΝΩΝ·Γ· ΝΕ ΩΚ ΟΡΩ helmeted, standing l.; in r., patera; l. supports shield and spear.
(b. With heads of Emperors.)			
Augustus.			
236	Æ 85	ΑΥΤΟΚΡΑΤΟΡΑ[ΣΕΒ ΑΣ]ΤΟΝ Head of Augustus r., laur.	Σ ΕΒΑ ΣΤΟ Ν Τetrastyle ΠΕ ΡΓΑΜΗΝ ΟΙ temple, within which, Augustus, in military dress, standing facing; in his r., spear.*

* Doubtless intended to represent the temple of Rome and Augustus, which that Emperor allowed the people of Pergamum to erect. *Tac. Ann.* iv., 37. Cf. no. 263, *infra*.

No.	Metal. Size.	Obverse.	Reverse.
237	Æ .75	ΣΕΒΑΣΤΟ Ν Head of Augustus r., laur.	ΧΑ ΡΙ Hexastyle temple of ΝΟC ΓΡΑΜ Augustus. ΜΑ ΤΕΥ Ω Ν
238	Æ .8	ΣΕΒΑΣΤΩΙ ΚΑΙΣΑΡΙ ΒΟΥΛΑΙΩΙ Head of Augustus r., laur.	Α ΦΟΥΡΙΟΣ ΙΕΡΕΥΣ ΓΥΜΝΑΣ ΙΑΡΧΩΝ ΠΕΡ ΓΑ ΜΗ ΝΩΝ* Basin (for washing), resting on stand.†
239	Æ .75 ΩΙΚΑΙΣΑΡΙ ΒΟΥ ΟΥΡΙΟΣΙΕΡΕΥΣΓΥ ΠΕΡ ΓΑ [Μ]Η ΝΩΝ [Pl. xxviii. 4.]
240	Æ .75	(Inscription illegible.)	ΑΦΟΥΡΙΟΣ ΠΕΡ ΓΑ ΜΗ ΝΩΝ
241	Æ .75	. ΕΒΑ ΛΑΙΩΙ	Α ΡΧΩΝ ΠΕΡ ΓΑ ΜΗ ΝΩΝ

* Only fragments of the inscriptions appear on the three badly-preserved specimens in the British Museum. For the full inscriptions, see Streber, *Numismata . . . ex Mus. reg. Bavariae*, pp. 195, 196; cp. Boutkowski, *Dictionnaire*, p. 1337, no. 2293; on the Gymnasiarch, see P. Guiraud, *Les Assemblées Provinciales* (1887), p. 125; Boeckh, *C. I. G. Index iv.*, s.v. γυμνασιάρχος; Monceaux, *De Communi Asiae*, p. 76; Fougères in *Bull. corr. hell.*, 1891. pp. 268, 272; pp. 281-284.

† Cp. a similar object on a medallion of Faustina II., described by Froehner (*Les médaillons de l'Empire romain*, p. 104), as the marble basin of a fountain from which the doves of Venus are drinking: cp. also the representations of baths, or rather basins for washing, on Greek vases, figured (e.g.) in Baumeister, *Denkmäler*, fig. 219 ('Baden'). Cp. Panofka, *Bilder antiken Lebens*, pl. i. 9; pl. xviii. 11.

No.	Metal. Size.	Obverse.	Reverse.
		Σ ΕΒΑΣΤΟΝ ΔΗΜΟΦΩΝ Tetra-style temple of Augustus, within which, Augustus, in military dress, standing facing; in his r., spear.	ΣΙΛΒΑΝΟΝ ΠΕΡΓΑΜΗΝΟΙ Male figure (the Demos of Pergamum?) in short dress, standing l., crowning with r. the Proconsul, M. Plautius Silvanus,* who stands near him, in toga, holding in r., patera.
242	Æ .8	[Pl. xxviii. 5.]	
243	Æ .75		
244	Æ .8		
245	Æ .85		
Caius and Lucius, Caesars.			
		Γ ΚΑΙΣΑΡΑ ΠΕΡΓΑΜΗΝΟΙ Head of Caius Caesar r., bare.	Λ ΚΑΙΣΑΡΑ ΔΗΜΟΦΩΝ Head of Lucius Caesar r., bare.
246	Æ .7		(Λ ΚΑΙΣΑΡΑ indistinct).
247	Æ .7	ΓΑΙΟΝ ΚΕΦΑΛΙΩΝ Head of Caius Caesar r., bare.	ΛΕΥΚΙΟΝ Head of Lucius Caesar r., bare.
(See also no. 250, under Tiberius.)			
Livia and Julia.			
		ΛΙΒΙΑΝΗΡΑΝ ΧΑΡΙΤΟΣ Bust of Livia r., as Hera.	ΙΟΥΛΙΑΝ ΑΦΡΟΔΙΤΗΝ Bust of Julia r., as Aphrodite.
248	Æ .75	[Pl. xxviii. 6.]	
249	Æ .75		
* Proconsul of Asia, probably in A.D. 4-5: see Waddington, <i>Fastes</i> , no. 64, and his <i>Mélanges de Num.</i> , ii. p. 149 f.			

No.	Metal. Size.	Obverse.	Reverse.
		Tiberius.	
250	Æ ·8	ΓΑΙΟΝ ΛΕΥΚΙΟΝ Heads of Caius and Lucius, both bare, facing one another. [Pl. xxviii. 7.]	·ΜΗΝΟΓΕΝΗΣ ΣΕΒΑΣΤΗΝ ΠΕΡΓΑΜΗΝΩΝ Livia, as Demeter, seated r.; in r., sceptre; in l., ears of corn.
251	Æ ·8	ΣΕΒΑΣΤΟΙ ΕΠΙΤΟΠΠΑΙΟΥ * Head of Augustus and Tiberius, both laureate, facing one another.	·ΜΗΝΟΓΕΝΗΣ ΣΕΒΑΣΤΗΝ ΠΕΡΓΑΜΗΝΩΝ Livia, as Demeter, seated r.; in r., sceptre; in l., ears of corn.
252	Æ ·8		
253	Æ ·8	ΣΕΒΑΣΤΟΙ ΕΠΙΤΕΤΡΩΝΙΟΥ † ΟΣ † Bust of Livia r., facing laureate head of Tiberius.	ΘΕΟΝΣΕ ΒΑΚΤΟΝ Tetrastyle ΠΕΡΓΑΜΗΝ ΟΙ temple, within which, Augustus, in military dress, standing facing; in his r., spear.
254	Æ ·7		
255	Æ ·75	(ΕΠΙ between bust and head.)	
256	Æ ·7	(" " " ") [Pl. xxviii. 8.]	

* Q. Poppaeus Secundus, Proconsul of Asia, probably in A.D. 19 (Waddington, *Fastes*, no. 68).

† P. Petronius, Proconsul of Asia for six years, probably from the spring of A.D. 29 till the spring of A.D. 35 (Waddington, *Fastes*, no. 76).

No.	Metal. Size.	Obverse.	Reverse.
Claudius.			
257	Æ 75	ΤΚΛΑΥΔ... .. ΤΟΝ Head of Claudius r., bare.	[ΘΕΟ ΝΣΕΒΑ ΣΤΟ Ν] ΠΕ ΡΓΑΜΗΝ ΟΙ Tetrastyle temple, within which, Augustus, in military dress, standing facing; in his r., spear.
Domitian.			
258	Æ 1.05	ΔΟΜΙΤΙΑΝΟC ΚΑΙC ΑΡΓΕΡΜΑΝΙΚΟC Δ ΟΜΙΤΙΑCΕΒΑCΤΗ Bust of Domitian r., laur., and wearing cuirass adorned with gorgoneion, facing bust of Domitia. [Pl. xxviii. 9.]	ΕΠΙ·CΤΡΑ·ΚΛ·ΚΕΦΑΛΙΩΝΟC ΠΕΡΓΑΜΗΝΩΝ Asklepios, in himation, holding snake-encircled staff, standing l., facing Hygieia who stands r., in chiton and peplos, feeding serpent from patera held in r.; between the two figures, lighted altar.
Trajan.			
259	Æ 75	ΑΥΤΤΡΑ[Ι] ΑΝΟC C ΕΒΑCΤ Head of Trajan r., laur.	ΦΙΛΙΟCΣΕΥC ΠΕΡΓΑ Zeus Philios, in himation, seated l.; in outstretched r., patera; l. rests on sceptre.
260	Æ 7	ΑΥΤ ΤΡΑΙ ΑΝ ΟC C ΕΒ Head of Trajan r., laur.	ΣΕΥC ΦΙΛΙΟC Head of Zeus Philios r., bare.
261	Æ 7		[Pl. xxviii. 12.]

No.	Metal. Size.	Obverse.	Reverse.
262	Æ 1·2	ΑΥΤ.....ΑΝΟCCEB ΓΕΡΜΔΑΚΙ Bust of Trajan r., laur., and draped.	ΦΙΛΙΟC ΣΕΥC[Τ]ΡΑΙΑ ΝΟC ΠΕΡΓ ΑΜΗΝΩΝ Tetrastyle temple, within which, Zeus Philios, holding patera and sceptre, seated r., and Trajan, in military dress, standing before Zeus, and holding spear in l.*
		ΦΙΛΙΟC ΣΕΥC ΑΥΤ ΤΡΑΙΑΝΟ CΕΒΠΕΡ Tetrastyle temple, within which, Zeus Philios, hold- ing patera and sceptre, seated r., and Trajan, in military dress, standing before Zeus, and holding spear in l.	ΘΕΑ ΡΩΜΗ ΚΑΙΘΕΩ CΕΒΑC ΤΩ Tetrastyle temple of Rome and Augustus; within, Roma stands l., crowning Augustus, who stands before her in military dress; Roma holds in l., cornucopiae; Augustus holds in r., spear.
263	Æ ·95	[Pl. xxviii. 10.]	
264	Æ 1·		
265	Æ 1·		
266	Æ 1·05	(ΤΡΑΙΑΝΟC ΠΕΡΓΑ ΜΗ)	
267	Æ ·7	ΑΥΓ ΟΥ CΤΟC ΠΕΡΓΑ Tetrastyle temple of Au- gustus, within which, Augustus, in military dress, standing facing; in his l., spear. In pedi- ment, capricorn, r. [Pl. xxviii. 11.]	CΤ ΡΙΠΩΛ ΛΙΩΝΟC ΤΡΑΙΑ ΝΟ C Tetrastyle temple, within which, Trajan, in military dress, standing facing; in his r., spear.

* The temple of Zeus Philios and Trajan is mentioned in a Pergamene inscription referred to in *Jahrbuch der k. preuss. Kunstsammlungen*, ix. (1888), pp. 85, 86.

No.	Metal. Size.	Obverse.	Reverse.
268	Æ 4	AY·KAI·CE·TPA OC·ΓEP[Δ] of Trajan r., laur.	IAN Head ΕΠ·ΑΝ·ΑΥ·Κ ΟΥΑΔΡΑΤΟΥ.* in ex., ΚΑΙΚΟΣ Bearded male figure (River-god Kaikos), wearing himation over lower limbs, reclining l., in r., cor- nucopiae; l., resting on urn, sup- ports his head; behind his r. arm, reed. [Pl. xxviii. 13.]
Hadrian.			
269	Æ 75	ΑΥΤ ΟΚΑΙ ΑΔΡΙΑΝΟ Head of Hadrian r., laur.	ΕΠΙCΤ[Ρ·ΚΛ·ΚΕΦΑΛΙΩ ΝΟC?] ΤΟ Β ΠΕΡΓΑ Hygieia standing r., feeding serpent from patera held in l. [Pl. xxviii. 14.]
270	Æ 65	ΑΥΚΑΙ ΑΔΡΙΑΝΟ Head of Hadrian r., laur.	CΤΡΚ ΛΚΕΦΑΛΙΩ[N] ΠΕΡΓΑ ΤΟ Β Telesphoros, wearing mantle with hood, standing facing.
		ΑΥΚΑΙ ΑΔΡΙΑΝΟ Head of Hadrian r., laur.	Ε ΠΙCΤ ΡΚΛΚΕΦΑΛΙΩΝ ΠΕΡΓΑ ΤΟ Β Youthful male figure (Hermes) standing l.; in outstretched r., ram's head; over l. arm, chlamys.
271	Æ 9		
272	Æ 8		(ΕΠΙCΤ &c.) [Pl. xxviii. 15.]
273	Æ 75		([ΕΠΙCΤ]ΡΚ ΛΚΕΦΑΛΙΩΝ [Π ΕΡ]ΓΑ ΤΟ Β)

* C. Antius A. Julius Quadratus was Proconsul of Asia, probably in A.D. 106 (Waddington, *Faster*, no. 114): cp. the coin of Attaea, p. 16, no. 6, *supra*.

No.	Metal. Size.	Obverse.	Reverse.
		<p data-bbox="596 312 673 336" style="text-align: center;">Sabina.</p> <p data-bbox="344 371 636 424">CABEINA CEBACTH Bust of Sabina r.</p>	<p data-bbox="658 371 1056 579">ΕΠΙΣΤΡΠΩΛΛΙΩΝΟΣ ΚΟΡΩ NIC Π Γ Ε Α Koronis (mother P of Asklepios), standing facing; she wears chiton, peplos as veil, and stephanos; her r. hand raised to the l. shoulder; her l. resting on waist.</p> <p data-bbox="645 632 978 659">[<i>Num. Chron.</i>, 1882, pl. i. 13.]</p>
274	Æ ·8		[<i>Pl. xxviii. 16.</i>]
275	Æ ·75		<p data-bbox="566 906 717 930" style="text-align: center;">Aelius Caesar.</p> <p data-bbox="344 967 636 1019">Α·ΑΙΛΙΟΣ ΚΑΙCΑ[P] Head of Aelius r., bare.</p> <p data-bbox="658 967 1056 1153">ΠΕΡΓΑ ΜΗΝΩΝ Asklepios and Telesphoros; Asklepios wearing himation and holding snake-encircled staff in r., stands facing, looking l.; Telesphoros, in mantle with hood, stands on his right side. [<i>Pl. xxviii. 17.</i>]</p>
277	Æ ·85	<p data-bbox="344 1249 636 1302">Α·[ΑΙΛΙΟΣ] ΚΑΙCΑP Head of Aelius r., bare.</p>	<p data-bbox="658 1249 1056 1409">ΠΕΡΓ in ex., ΚΗΤΕΙΟΣ Bearded river-god (Keteios) reclining r., wearing himation over lower limbs; in l., reed; r. on over-turned urn, from which water flows. [<i>Pl. xxviii. 18.</i>]</p>

No.	Metal. Size.	Obverse.	Reverse.
Antoninus Pius.			
278	Æ 1.35	ΑΥΤΟΚΑΙΤ[Α]ΙΑΔΡ ΑΝΤΩΝΕΙΝΟΣ Head of Antoninus Pius r., laur.	ΕΠΙ ΠΡΥ ΝΥΜΠΙΔΙΑΣΒΕΡΟ ΝΙΚΗΣΠΕΡΓΑ ΜΗΝΩΝ Asklepios and Apollo Smintheus standing facing; Asklepios wears himation, and holds snake-encircled staff in r.; Apollo, who stands on the right of Asklepios, holds in r., patera; in l., bow.* [Pl. xxix. 1.]
279	Æ 1.1	ΑΥΤΟ·ΚΑΙ·ΤΙ·ΑΙ·ΑΝ ΤΩΝΕΙΝΟΣ Head of Antoninus Pius r., laur.	ΕΠΙ[Σ]ΤΡ[Κ]ΛΑΙΣΙΜΟΝΠΕΡΓ ΑΜΗΝΩΝ Asklepios, holding snake-encircled staff in r., and Hygieia, feeding snake from patera, standing facing one another. [Num. Chron., 1882, pl. i. 14.]
280	Æ .8	ΑΥ·ΤΙ·ΑΙ·ΑΔΡ ΑΝΤ ΩΝΕΙΝΟΣ Head of Antoninus Pius r., laur.	ΕΠΙ·ΣΚΟΝΑ ΡΤΟΝΠΕΡΓ † Β Asklepios, wearing himation and holding snake-encircled staff in r., standing facing, looking l. [Pl. xxix. 2.]
281	Æ .8	ΑΥΤΙΑΙΑΔΡ ΑΝΤΩ ΝΕΙΝΟΣ Head of Antoninus Pius r., laur.	ΕΠΙ·ΣΚ ΟΥΑΡΤΟΥ ΠΕΡΓΑ † [Β] Sarapis, seated l.; l. hand on sceptre; r. hand outstretched; at his feet, Kerberos.
282	Æ .9	ΑΥΤΟ·ΚΑΙ·ΤΙ·ΑΙ·ΑΝ ΤΩΝΕΙΝΟΣ Head of Antoninus Pius r., bare.	ΠΕΡΓΑΜΗ ΝΩΝ Capricorn r.; on back, cornucopiae; between paws, globe.

* On a similar specimen in the Imhoof collection the dress of Apollo, a short transparent chiton, and the quiver at his back, can be distinguished: see Imhoof, *Monnaies grecques*, p. 257. A female Prytanis is mentioned in C.I.G., nos. 3415 and 3953 d.

No.	Metal. Size.	Obverse.	Reverse.
M. Aurelius.			
283	Æ 8	A VPHOVH POCKA ICAP Head of M. Aurelius r., bare.* [Pl. xxix. 4.]	ΕΠΙC†KO VAPTOVΠEP Γ † B Serpent coiled, with head erect, r.
284	Æ 7	A VPHOVH POCKAI CAP Head of M. Aure- lius r., bare. [Pl. xxix. 5.]	ΕΠΙC†KOVAPTOV ΠEPΓ A Τ O B Serpent on altar, coiled, with head erect, r.
285	Æ 1·7	AV·KAI·M·AVPH AN ΤΩNEINOC Bust of M. Aurelius r., laur., wearing paludamentum and cuirass.	ΕΠΙCΤΡΑΑΤVA·KPAΤITΠOY ΠEPΓAMHΩN ΔIC NE[Ω]KO Asklepios l., and Hygieia r., stand- ing facing one another. Asklepios wears himation over l. shoulder and lower limbs, and holds in r. tall staff encircled by serpent; Hygieia wears chiton, peplos and veil; her l. holds veil; in her r., serpent.
286	Æ 1·55	(AVPHAIOC)	(NEOKOP) Same die as no. 291.
287	Æ 1·4	[AV]KAIMAVPHAN ΤΩNEINOC Bust of M. Aurelius r., laur., wearing paludamentum and cuirass.	ΕΠΙCΤΡ[K]A APIC[TE]OV CEΛEINO[C?] KHTEIOC ΠEPΓA MHNΩN [ΔIC NEΩKOPΩN?] Statue of Asklepios, holding in r. snake-encircled staff, erected on tall pedestal. On r. and l. of statue, river-gods Keteios and Seleinos re- clining. In field, on each side of lower part of pedestal, wreath.

* With an eagle, the stamp of the d'Este family, inlaid in silver.

No.	Metal. Size.	Obverse.	Reverse.
288	Æ 1·35	<p>[A]ΥΚΑΙΜΑΥΡΗΛΙ ΑΝΤΩΝΕΙΝΟC Bust of M. Aurelius r., laur., wearing paludamentum and cuirass.</p>	<p>ΕΠΙCΤΡΑΤ ΚΛΑΥΑΡΙC ΤΕ ΟΝΠΕΡΓΑΜΗΝΩΝ [B]ΝΕΟΚΟΡΩΝ Zeus, wearing himation over lower limbs, seated l. on throne; on his right hand, Nike; his l. rests on sceptre. [Pl. xxix. 3.]</p>
289	Æ 1·4	<p>ΑΥΚΑΙΜΑΥΡΗΛΙ ΑΝΤΩΝΕΙΝΟC Bust of M. Aurelius r., laur., wearing paludamen- tum and cuirass.</p>	<p>ΕΠΙCΤΡΑΤΚΛ ΑΡΙCΤΕΑΠΕΡ ΓΑΜΗΝΩΝ ΒΝΕΟΚΟΡΩ Ν M. Aurelius, in military dress, riding l.; his r. hand raised; on ground, in front, naked male captive seated r., his arms bound behind him. [Pl. xxix. 6.]</p>
Faustina II.			
290	Æ 1·	<p>ΦΑΥCΤΕΙΝΑ CΕΒΑC ΤΗ Bust of Faustina II., r.</p>	<p>[Ε]ΠΙ[C]Τ[P?] ΚΝΙ[ΚΟ]ΜΗΔ ΟΝ[C] ΠΕΡΓΑΜ Altar, on which, ewer: on each side of altar, lighted torch encircled by serpent. [Pl. xxix. 8.]</p>
L. Verus.			
291	Æ 1·6	<p>ΑΥΚΑΙΛΑΥΡΗ ΛΙΟ CΟΥΗΡΟC Bust of L. Verus r., laur., wearing paludamentum and cui- rass. [Pl. xxix. 9.]</p>	<p>ΕΠΙCΤΡΑΑΤΥΛ·ΚΡΑΤΙΠΠΟΝ ΠΕΡΓΑΜΗΝΩΝ ΔΙCΝΕΟΚΟΡ Asklepios l. and Hygieia r., standing facing one another. Asklepios holds in r. tall staff encircled by serpent; Hygieia wears chiton, peplos and veil; her l. holds veil; in her r., serpent. (Same die as no. 285.)</p>

No.	Metal. Size.	Obverse.	Reverse.
292	Æ 1·6	ΑΥΚΑΙΑ ΑΥΡΗ ΛΙΟΣ ΟΥΗΡΟΣ Bust of L. Verus, r., laur., wearing paludamentum and cuirass.	ΕΠΙΣΤΡΑΑΤΥΛΚΡΑΤΙΠ[ΠΟΝ ΠΕΡΓΑ]ΜΗΔΙΣ ΝΕΟΚΟ Asklepios, in himation, standing facing, head l.; in r., snake-encircled staff; on his l. side, small naked figure standing r.; r. hand raised; l. outstretched, holding bird (?); between them, rat r., gnawing uncertain object.* [Pl. xxix. 7.]
(pierced.)			
293	Æ 1·5	ΑΥΚΑΙΑ ΑΥΡΗ ΛΙΟΣ ΟΥΗΡΟΣ Bust of L. Verus r., laur., wearing paludamentum and cuirass.	ΕΠΙΣΤΡΑΑΤΥΛ ... ΚΡΑ ΤΙ ΠΠΟΝ ΠΕΡΓΑΜΗΝΩΝ ΝΕΟΚΟΝ Zeus seated l.; in r., patera; in l., sceptre.
294	Æ 1·55	ΑΥΚΑΙΑ ΑΥΡΗ ΛΙΟΣ ΟΥΗΡΟΣ Bust of L. Verus r., laur., wearing paludamentum and cuirass.	ΕΠΙΣΤΡΑΑΤΥΛΚΡΑΤΙΠΠΟΝ Π[ΕΡΓΑΜΗ] ΔΙΣΝΕΟΚΟ ΡΩΝ Dionysos riding l. on panther; in r., thyrsos; l. resting on panther.
Commodus.			
295	Æ 1·4	ΜΑΥΡΗΚΟΜΟ ΔΟΣ ΚΑΙΣΑΡ Bust of Commodus r., bare, wearing paludamentum and cuirass.	ΕΠΙΣΤΡΚΝΙΚΟ ΜΗΔΟΥΝ ΠΕΡΓΑΜΗΝΩΝ ΝΕΟΚΟΡΩΝ Β Hexastyle temple, within which, Asklepios, holding snake-encircled staff in r., standing facing. [Pl. xxix. 11.]

* On the type, cp. Wroth, 'Asklepios' in *Num. Chron.* 1882, pp. 38-42. The small naked figure occurs as the type of other Pergamene coins, see *supra*, nos. 227-230.

No.	Metal. Size.	Obverse.	Reverse.
		Α·ΑΥΡ·ΑΙΑ· ΚΟΜΟΔ OC Bust of Commodus r., beardless; head bare; wears paludamentum.	ΕΠΙΣΤΡΑΙ ΠΩΛΙΠΕΡΓΑ Asklepios, holding snake-encircled staff in r., standing facing; head l.
296	Æ ·85		(I before ΠΩΛΙ not visible.)
297	Æ ·8		in field, $\overset{\circ}{\text{T}}$ B
		ΑΥΤΟΚΡ ΑΥ·ΚΟΜΟ Bust of Commodus r., laur.	ΠΕΡΓΑ ΜΗΝΩΝ Asklepios, holding snake-encircled staff in r., standing facing; head l.
298	Æ ·85	Countermark, head of Caracalla r.	
		ΑΥΚΟ ΜΟΔΟ Bust of Commodus r., laur., wearing paludamentum and cuirass.	ΠΕΡΓΑ ΜΗΝΩΝ Asklepios, holding snake-encircled staff in r., standing facing; head l.
299	Æ ·8		
300	Æ ·8	(Same dies as no. 299.)	
301	Æ 1 · 2	ΑΥΤΟΚΛ ΑΥΚΟΜΟ ΔΟ Bust of Com- C modus r., laur., wearing paludamentum and cuirass.	ΕΠΙΣΤΡΑ ΔΙ ΟΔΩΡΩΝ ΠΕΡΓΑΜΗ ΝΩΝ Asklepios, l., holding snake-encircled staff in r., and Hygieia r., feeding serpent from patera held in l., standing facing one another.
302	Æ ·8	ΑΥΡΑΙΑ ΚΟΜΜΟΔ OC Head of Commodus r., beardless, bare.	ΠΕΡΓΑ ΜΗΝΩΝ Distyle shrine, within which, Telesphoros standing facing. [Pl. xxix. 10.]

No.	Metal. Size.	Obverse.	Reverse.
303	Æ 8	Α·ΑΥΡΑΙΛ· ΚΟΜΟΔ OC Bust of Commodus r., beardless, bare; wears paludamentum.	ΕΠΙΣΤΡΑΙΤΩΛΙΠΕΡΓΑ Altar, <div style="text-align: center;"> $\overset{\circ}{\tau}$ B </div> garlanded, on which, serpent coiled, with head erect, l. [Pl. xxx. 1.]
304	Æ 9	ΑΥΤΚΑΛ ΑΥΡΚΟΜ ΟΔ Bust of Com- OC modus r., beard- less, laur., wearing pa- ludamentum and cuirass.	ΕΠΙΣΤ[Ρ?]ΑΠ[ΩΛ?] ΑΠΕΡΓΑ ΜΗ ΝΕΩΚΟ Β Athena standing l.; in r., patera; in l., spear; at feet, shield.
		ΜΑΥΡΚΑΙ ΣΑΡΚΟΜ [ΟΔΟC] Bust of Com- modus r., beardless, bare; wears paludamentum.	[ΕΠΙΣΤ]ΡΑΚ[ΝΙΚΟΜΗΔ]ΟΥCΒ ΝΕΟ (between legs of standing figure) ΚΟΡΩΝΠΕΡΓΑ (in exergue). Helmeted male figure r., standing, striking with spear, held in r., at bearded male figure before him, who, forced back on his knees, raises spear in r.; near his r. leg, shield: in field, l., spear.
305	Æ 1·3	Countermark, male head r. (Caracalla?). [Pl. xxx. 2.]	
306	Æ 1·35	ΑΥΚΑΙΜΑΥ ΡΗΚΟΜ ΟΔΟ Bust of Com- modus r., laur., wear- ing paludamentum and cuirass.	[ΕΠΙΣΤΡΑ?]Δ ΙΟΔ ΩΡΟΝ [ΝΕ ΟΚΟΡΩΝ?] ΠΕΡΓΑΜΗ in field, B [ΝΩΝ?] Satyr, in nebris, seated l. on cippus, dancing on his right foot the boy Dionysos, who wears chlamys: Satyr's feet rest on pedum.* [Pl. xxx. 3.]

* With the type, compare *Zeit. f. Num.* xiii. (1885), pp. 276, 277; *ib.* xiv., p. 94.

No.	Metal. Size.	Obverse.	Reverse.
307	Æ 1·7	ΑΥΤΟΚΑΙΜ ΑΥΡΗΚ Ο[ΜΟ]ΔΟC Bust of Commodus r., laur., wear- ing paludamentum and cuirass.	[ΕΠΙ]CΤΡΜΑΙΓ Λ ΥΚΩΝΙΑΝ [ΟΥ] ΠΕΡΓΑΜΗΝΩ ΝΝΕΟΚΟΡΩ N·B Youthful Zeus, naked, standing l.; in r., thunderbolt; in l., sceptre; at his feet, eagle: before Zeus, Gaia and Thalassa, wearing mantles over lower limbs, reclining l. and r. respectively. Gaia wears turreted head-dress and holds cornucopiae; Thalassa wears crab-headress and holds rudder. In field, bust of Helios looking l. and bust of Selene looking r. [Pl. xxx. 4.]
308	Æ 1·25	[ΜΑΥΡΗ ΚΟΜΟΔΟC ΚΑΙ ?]CΑΡ Bust of Commodus r., beardless, wearing paludamentum and cuirass; head bare.	ΕΠΙΝΙΚΟΜΗΔΟΥC Two hexa- ΒΝΕΟΚΟΡΩΝ style temples ΠΕΡΓΑΜΗ (above each of ΩΝ which, star), seen from the r. side and front; be- tween temples, tall column, on which, statue (a Roman Emperor) in military dress, holding in r., spear; in l., sword. [Pl. xxx. 5.]
Sept. Severus.			
309	Æ 75	ΑΥΤΚΑΙ CΕΒΗΡΟC Head of Sept. Severus r., laur.	Asklepios, holding snake-encircled staff in r., standing facing, head l. ΠΕΡΓΑΜ ΗΝΒΝΕΟΚΟ
310	Æ 75		ΠΕΡΓΑ ΜΗΝΩΝΒ
311	Æ 1·25	ΑΥΤ ΚΑΙΛCΕΠΤΙΜ· CΕΒΗΡΟΠΕΡΤ· Bust of Sept. Severus r., laur., wearing paludamentum and cuirass.	ΕΠΙCΤΡΑΙΟΝΤΩΛΛΙ ΩΝΟCΒ ΝΕΟΚ ΠΕΡΓΑΜΗΝ ΩΝ Athena standing l.; before her, ser- pent erect, olive-tree, and column, on which, shield, upright; her r. is extended towards the shield; in her l., spear. [Pl. xxx. 6.]

No.	Metal. Size.	Obverse.	Reverse.
312	Æ 1·05	ΑΥΤΚΑΙ Λ·ΣΕΒΗΡΟΣ Head of Sept. Severus r., laur.	ΠΕΡΑΜΗΝΩ(sic)Ν Β ΝΕΟΚΟΡ ΠΩΛ Homonoia standing l., holding patera in r., over altar; in l., cornucopiae.
313	Æ 1·	(Inscr. partly obscure.)	(ΠΕΡΓΑΜΗΝ ΒΝΕΟΚΟΠΩΛ)
314	Æ 1·6	... ΚΑΙΑ[ΣΕΠ· ΣΕΟΥ ΗΡΟΣ ΠΕΡ·] ΙΟΥΔΟΜΝΑ ΣΕΒΑΣΤΗ Bust of Sept. Severus r., laur., in paludamentum and cuirass, facing bust of J. Domna, l.	ΕΠΙC[ΤΡΑΚΛΑΥΔΙΑΝΟΝΤΕΡ ΠΑΝΔΡΟΝ] ΠΕΡΓΑΜΗΝΩΝ ΒΝΕΟΚΟΡΩΝ Ariadne wearing peplos over lower limbs and over her head, reclining l. on rocks, asleep; r. hand placed on head; l. had resting on rocks; on l., Maenad, wearing chiton and holding thyrsos in r., approaching, with l. hand raised; behind Ariadne Satyr? lifting drapery of Ariadne with l. hand; his r. hand is raised, beckoning.* [Pl. xxx. 8.]
315	Æ 1·75	ΑΥΤ·ΚΑΙ·Λ·ΣΕΠ· ΣΕ ΟΥΗΡΟ· Σ·ΠΕΡ· ΙΟΥΔΟΜΝΑ ΣΕΒΑΣΤΗ Bust of Sept. Severus r., laur., in paludamentum and cuirass, facing bust of J. Domna, l. [Pl. xxx. 7.]	ΕΠΙCΤΡΑΚΛΑΥΔΙΑΝΟΝΤΕΡΠ ΑΝΔΡΟΝ ΠΕΡΓΑΜΗΝΩΝ ΒΝΕΟΚΟΡΩΝ Vaulted distyle shrine approached by steps; on each side of shrine, portico of four columns surmounted by two statues (on l. portico statues of Apollo and Artemis?; on r. portico statues of Dionysos and Hermes?): in front of each portico statue of humped bull on pedestal.

* The scene here portrayed is the discovery by Dionysos [not here represented] and his *cortège* of Ariadne asleep in Naxos after her desertion by Theseus. Ariadne lies in nearly the same attitude as the well-known statue ('Sleeping Ariadne') of the Vatican (Baumeister, *Denkmäler*, 'Ariadne,' p. 126, fig. 130). The subject is often depicted with variations on ancient monuments (see O. Jahn, *Archäologische Beiträge* (1847), p. 295; Roscher's *Lexikon*, p. 545, 'Ariadne,') and occurs on an imperial coin of Perinthus (see Imhoof-Blumer in *Num. Zeit.*, 1884, p. 235, pl. iv. 5).

No.	Metal. Size.	Obverse.	Reverse.
316	Æ 1-6	<p>[ΑΥΤ]·ΚΑΙΑ ΣΕΠΤΙΟ [ΕΟΝ] ΗΡΟΚΤΟΥ* ΑΥΤΟΚΑΙΜΑΑΥΡΗ ΑΝΤΩΝΕΙΝΟ[C] Bust of Sept. Severus r., facing bust of Caracalla l., each laur., and wearing palu- damentum and cuirass.</p> <p>Three countermarks, wreath, head (of Caracalla?), wreath.</p>	<p>ΕΠΙΣΤΡΑ ΚΡΑΤΟΥΣ ΠΕΡΓΑΜΗΝΩΝ ΒΝΕΟΚΟΡΩΝ Asklepios and Apollo Smintheus; Apollo, naked, stands l., holding patera over altar; in l., bow; Asklepios, holding snake-encircled staff in r., stands on the other side of altar, facing him.</p> <p>[Pl. xxx. 9.]</p>
317	Æ 1-3	<p>ΙΟΥΛΙΑΔΟΜΝΑ·ΣΕΒ ΑΚΤΗ Bust of J. Domna r.</p> <p>countermark, wreath.</p>	<p>ΕΠΙΣΤΡΙΟΝ ΛΑΝΘ ΠΕΡΓΑΜ ΗΝ[ΩΝ] ΙΜΟ V ΠΡΩΤΩΝΓΝ[ΕΩ] ΚΟΡΩΝ Asklepios l., holding snake-encircled staff in r., and Hygieia r., feeding serpent from patera held in l., standing facing one another.</p>
318	Æ 1-85	<p>ΑΥΤ·ΚΡΑΤ·Κ·ΜΑΡΚΟ C·ΑΥΡ·ΑΝΤΩΝΕΙΝ ΟC Bust of Caracalla r., laur., wearing cuirass orna- mented with gorgoneion.</p>	<p>Caracalla.</p> <p>[ΕΠΙΣΤΡ]ΙΟΥΛ·ΑΝΘΙΜΟΝ written outside a wreath which encloses the following inscription :— ΗΠΡΩΤΗΤΗ[CA] CΙΑCΚΑΙΜ[ΗΤΡΟ] ΠΟΛΙCΠΡΩ[ΤΗ ΚΑΙ] ΤΡΙCΝΕΩΚΟΡΟC ΠΡΩΤΗΤΩΝCΕ ΒΑCΤΩΝΤΕΡ ΓΑΜΗΝΩΝ ΠΟΛΙC</p>

* Cp. *Mionnet*, II., p. 608, no. 613.

No.	Metal. Size.	Obverse.	Reverse.
		<p>ΑΥΤ·ΚΡΑ (sic) Κ·ΜΑΡ ΚΟCΑΥΡΑΝ[ΤΩ]ΝΕ ΙΝΟC Bust of Cara- calla r., laur., wearing cuirass ornamented with gorgoneion.</p>	<p>ΕΠΙ·CΤΡ·ΙΟΥΛ·ΑΝΘΙΜ[ΟΥ Π ΕΡΓΑΜΗ ΝΩΝ ΠΡΩΤΩΝΤΡΙC ΝΕΩΚΟΡΩ N Caracalla, in military dress, on horse r.; r. hand raised; before him stands a turreted female figure (the Tyche of Per- gamum) holding in r. a statue of Asklepios.*</p>
319	Æ 1·65	countermark, wreath.	[Pl. xxxi. 1.]
		<p>ΑΥΤΚΡΑ·Κ·ΜΑΡ [ΚΟC ΑΥΡΑΝΤΩ]ΝΕΙΝΟC Bust of Caracalla r., laur., wearing cuirass or- namented with gorgoneion.</p>	<p>ΕΠΙ[CΤΡ ΜΚΑΙΡΕΛΑΤΤΑΛΟ V †] ΠΕΡΓΑ[ΜΗΝΩΝ Π] ΡΩΤΩΝ[ΓΝΕΩ] ΚΟΡΩΝ Caracalla, in military dress, standing l. (on steps?), his r. hand raised; before him stands the Tyche of Pergamum holding in her l. statue of Asklepios, in r., sceptre: behind Caracalla, soldier standing l., holding in r., Nike, in l., spear.</p>
320	Æ 1·65	countermark, wreath.	
321	Æ 1·7	<p>ΑΥΤ·ΚΡΑ·Κ·ΜΑΡ ΚΟC ΑΥΡ·ΑΝΤΩΝΕΙΝΟC Bust of Caracalla r., laur., wearing cuirass orna- mented with gorgoneion.</p>	<p>ΕΠΙCΤΡ·Μ·ΚΑΙΡΕΛ·ΑΤ ΤΑΛΟ V ΠΕΡΓΑΜΗΝΩΝ·Π ΡΩΤΩΝ·Γ·ΝΕΩ ΚΟΡΩΝ Caracalla, in military dress, on horse r., look- ing back, with r. hand raised; before him, statue of Asklepios facing on tall pedestal; soldier r., following horse. [Pl. xxxi. 2.]</p>

* Caracalla visited Pergamum and its temple of Asklepios in A.D. 214. On the Pergamene coins relating to Asklepios, issued during his reign, see Wroth, *Asklepios, &c.* in *Num. Chron.* 1882, pp. 44-49.

† For the reading, see *Mionnet*, sup. t. v., p. 462, no. 1112.

No.	Metal. Size.	Obverse.	Reverse.
322	Æ 1·7	<p>ΑΥΤΚΡΑΚΜΑΡ ΚΟC· ΑΥΡΑΝΤΩΝΕΙΝΟC Bust of Caracalla r., laur., wearing cuirass orna- mented with gorgoneion.</p> <p>countermark, wreath.</p>	<p>ΕΠΙCΤΡΜ·ΚΑΙΡΕΛΑΤ ΤΑΛΟΝ ΠΕΡΓΑΜΗ ΝΩΝ ΠΡΩΤΩΝΓΝΕ ΩΚΟΡΩΝ Caracalla, in military dress, standing l., holding in r., patera over lighted altar; in l., spear: on the other side of altar, Asklepios, holding snake-encircled staff in r., standing facing.</p> <p>[Pl. xxxi. 4.]</p>
323	Æ 1·4	<p>ΑΥΤΚΡΑΤΚΜΑΡΚΟC ΑΥΡΑΝΤΩΝΕΙΝΟC Bust of Caracalla r., laur., wearing paludamentum and cuirass.</p> <p>countermark, wreath.</p>	<p>ΕΠΙCΤΡΜΚ ΑΙΡΕΛ ΠΕΡΓΑΜ ΑΤΤ ΗΝΩΝ ΑΛΟ V ΠΡΩΤΩΝΓΝΕΩ ΚΟΡΩΝ Caracalla, in military dress, standing l., hold- ing in r., patera; in l., globe; facing him is Asklepios holding snake- encircled staff in r.; between the two figures, humped bull r.</p> <p>[Pl. xxxi. 3.]</p>
324	Æ 1·75	<p>ΑΥΤ·ΚΡΑΤΚ·ΜΑ ΡΚΟ C·ΑΥΡ·ΑΝΤΩΝΕΙΝ ΟC Bust of Caracalla r., laur., wearing cuirass ornamented with gor- goneion.</p>	<p>[ΕΠΙCΤΡΜΚΑΙΡ]ΕΛ·ΑΤΤΑΛΟΝ ΠΕΡΓΑΜΗ ΝΩΝ ΠΡΩΤΩΝΓΝΕ ΩΚΟΡΩΝ Caracalla, in toga, holding in r., patera; in l., roll, standing r. before temple (seen in perspective), within which is Asklepios; between temple and Caracalla, youth l. striking at humped bull l., tied by the nose to a ring. [Pl. xxxi. 5.]</p>

No.	Metal. Size.	Obverse.	Reverse.
325	Æ 1·75	ΑΥΤ·ΚΡΑΤ·Κ·ΜΑ VP ΑΝΤΩΝΕΙΝΟC Bust of Caracalla r., laur., wear- ing cuirass ornamented with gorgoneion.	ΕΠ ΙCΤΡ ΚΑΙΡΕΛ·ΠΕΡΓΑΜΗ ΝΩΝ ΑΤΤΑ ΛΟ V ΠΡΩΤΩΝΓΝΕ ΩΚΟΡΩΝ Caracalla, in toga, holding in r., patera [in l., roll?] standing l. near hexastyle temple (seen facing, and placed in upper part of field l.), within which is Asklepios standing; before Cara- calla, youth standing l. preparing to strike humped bull, standing r.
326	Æ 1·75	ΑΥΤΚΡΑΤΚ·ΜΑ VΡΑ ΝΤΩΝΕΙΝΟC Bust of Caracalla r., laur., wear- ing cuirass ornamented with gorgoneion. [Pl. xxxi. 6.]	ΕΠΙCΤΡΜΚΑΙΡΕΛ·ΑΤΤΑΛΟΝ ΠΕΡΓΑΜΗΝΩΝ ΠΡΩΤΩΝ·Γ·ΝΕ[Ω] ΚΟΡΩΝ Caracalla, in military dress, standing l., saluting with upraised r. hand the Asklepi- an serpent coiled round tree before him; in his l., spear: between Caracalla and the tree, statue of Telesphoros on base, facing.
327	Æ 1·8	ΑΥΤΚΡΑΤ·Κ ΜΑΡΚΟ CΑΥΡΑΝΤΩΝΕΙΝΟ C Bust of Caracalla r., laur., wearing cuirass orna- mented with gorgonein.	ΕΠΙCΤΡΑ ΚΑΙΡΕΛ ΑΤΤ ΑΛΟ V ΠΕ ΡΓΑ ΜΗΝ ΩΝ ΠΡΩΤΩΝΓΝΕ ΩΚΟΡΩΝ Three temples, two of which on l. and r. are seen in perspective; the third, a tetrastyle building, in which is Asklepios, seated, holding serpent, is seen from the front and placed in the field above. [Pl. xxxii. 1.]

No.	Metal. Size.	Obverse.	Reverse.
		ΑΥΤΟΚΑΙ·Μ·ΑΥΡΗ·Α ΝΤΩΝΕΙΝΟC (the rest of the inscr. inten- tionally erased.) Bust of Caracalla r., laur. [facing bust of Geta l., intention- ally erased].*	ΕΠΙCΤΡΑΚΛΑΝΔΙΑΝΟΝΤΕΡΠ ΑΝΔΡΟV ΠΕΡΓΑΜΗΝΩΝ [Γ?]ΝΕΟΚΟΡΩΝ Nike standing l., holding wreath in r., palm in l., crowns Tyche who, in modius, chiton and peplos, stands looking l., and holding in r., patera, in l., cornucopiae.
328	Æ 1·5	countermark, wreath. [Pl. xxxii. 2.]	
329	Æ 1·4	(inscr. partly illegible) coun- termark, wreath.	(inscr. partly illegible.)
330	Æ 1·35	” ” ” ”	” ” ”

Elagabalus.

		ΑΥΤΟ·Κ·Μ·ΑΥΡ· ΑΝ ΤΩΝΕΙΝΟC Bust of Elagabalus r., laur., wear- ing paludamentum and cuirass.	ΕΠΙCΤΡ·ΤΙΒ·ΚΛ·ΑΛΕ Ζ ΑΝΔ ΡΟΝΘ[ΕΟΛΟ?] ΠΕΡΓΑΜΗ ΝΩΝ ΠΡΩΤΩΝΓΗ ΕΩΚΟΡΩΝ Female figure (Tyche of Pergamum?) in turreted head-dress, chiton, and peplos, seated l. on throne, feeding serpent erect before her from patera held in r. ; l. on sceptre.
331	Æ 1·65		[Pl. xxxii. 4.]
332	Æ 1·75		(ΕΠΙCΤΡ·ΤΙΒ·ΚΛΑ ΛΕΖΑΝΔΡ ΟΝΘΕ ΠΕΡ ΓΑ ΜΗΝΩΝ Ο ΠΡΩΤΩΝΤΡΙ CΝΕΩΚΟΡΩ Ν)

* Busts of Geta erased in antiquity occur also at Nicaea in Bithynia (*Brit. Mus. Cat., Pontus, &c.*, p. 162, no. 63), at Stratonicea in Caria (specimens in *Brit. Mus.*; cp. Birch in *Num. Chron.* i. (1839), p. 194 ff., and Imhoof, *Griech. Münzen*, p. 676, no. 454), and at Perperene in Mysia (see *infra*, under Perperene). See also on this subject, Von Sallet in *Z.f. N.* ii. 371; iii. 261.

No.	Metal. Size.	Obverse.	Reverse.
Severus Alexander.			
333	Æ 1·25	AVT KP·KMAV PCE [B]AΛEΞANΔPOC Bust of Sev. Alexander r., laur., wearing paludamen- tum and cuirass.	ETICTPKTEPTVΛΛONTEPΓ AMHNΩN ΠPΩTΓN ΕΩΚΟPΩ N Serpent, head r., coiled round tree.*
334	Æ 1·4	AVTO·KP·KMAV·PCEB HPOC AΛEΞANΔPO C Bust of Sev. Alex- ander r., laur., wearing pa- ludamentum and cuirass.	ETICTPKTEPTVΛΛONTEPΓ AMHNΩ ΠPΩ ΓNΕΩ ΚO PΩ Youthful male figure standing r., naked, offering ram's head in out- stretched l. to a youthful figure (Hermes?) who stands facing him, holding in r., patera over altar; on l. arm, chlamys. [Pl. xxxii. 3.]†
335	Æ 1·15	AV·MAV·P·CEV·AΛEΞ ANΔPOC Bust of Sev. Alexander r., laur., wearing paludamentum and cuirass.	ΠEPΓAMHNΩN ΓNΕΩΚOΠΩN Homonoia standing l., holding in r., patera over altar; in l., cornucopiae.

* Either the Asklepiian serpent, (as on the *rev.* of no. 326, *supra*) or the serpent Ladon in the Garden of the Hesperides, as on Pergamene coins of Geta, *Mion.* ii., p. 614, nos. 644-646.

† Cp. a Pergamene coin of Etruscilla (*Mion.* ii., p. 617, no. 658). *Rev.* Youthful Hermes r., with chlamys over l. arm, approaching column on which is ram's head; in l., caduceus; r. drags a ram. Cp. also Imhoof, *Griech. Münzen*, 1890, p. 617, no. 180. See further, *Mion.* sup. t. v., p. 472, no. 1159 (Pergamum, Trajan Decius). *Rev.* Hermes holding in r., ram's head, in l. caduceus and chlamys. See also nos. 346, 347, *infra*, and cp. no. 271, *supra*.—A small glass vase in the British Museum found at Cyzicus in 1879, has on it a representation of Hermes wearing chlamys and holding caduceus in r. and in l. what appears to be a ram's head (see C. Robert, *Die antiken Sarkophag-reliefs*, ii., p. 5).

No.	Metal. Size.	Obverse.	Reverse.
336	Æ 1·35	ΑΥΤΟΚΡ Κ· ΜΑΥΡ· ΣΕΒΗΡΟCΑΛΕΞΑΝ ΔΡΟ C· Bust of Sev. Alexander r., laur., wear- ing paludamentum and cuirass.	ΕΠΙCΤΡΚΤΕ ΡΤΥΛΛΟΝ ΠΕΡΓΑΜΗΝΩ ΝΠΡΩΓΝΕ ΩΚΟΡΩΝ Three temples,* two of which on l. and r. are seen in perspective; the third, a tetrastyle building, in which a figure is visible, is seen from the front, and placed in the field above.
J. Mamaea.			
337	Æ 1·2	ΙΟΥΑ·ΜΑΜΕΑΝCΕΒ ΑCΤΗΝ Bust of J. Mamaea r.	ΕΠΙCΤΡ·Κ·ΤΕΡΤΥΛΛΟΝ?] ΠΕΡΓΑΜΗΝ ΩΝ ΓΝΕΩΚΟ ΡΩΝ Serpent, head r., coiled round tree,†
(double-struck). [Pl. xxxii. 6.]			
Maximinus.			
338	Æ 1·65	Inscription and head of Maximinus (or heads of Maximinus and Maximus), intentionally erased.‡	ΕΠΙ CΤΡΑΥΡ· Ν Ε ΙΛΟΝ· ΠΕΡΓΑ ΜΗΝΩΝ ΠΡΩΤΩΝ·Γ·ΝΕ ΩΚΟΡΩΝ Dionysos in short chiton, holding in r., kantharos, in l., thyrsos, standing l. facing Demeter, who stands looking r., holding in r., ears of corn, in l., torch; before Dionysos, panther; in field, l., race- torch? [Pl. xxxii. 5.]
* Cp. no. 327, <i>supra</i> .			
† Cp. no. 333, <i>supra</i> .			
‡ Cp. the specimens in <i>Mion.</i> sup. t. v., pp. 469-471, nos. 1149-1152.			

No.	Metal. Size.	Obverse.	Reverse.
339	Æ 1·65	Inscription and heads of Maximinus and Maximus (or head of Maximinus), intentionally erased.	<p>ΕΠΙΣΤΡ ΑΥ ΡΝΕΙ ΠΕΡΓΑΜ ΗΝΩΝ ΛΟΝ ΠΡΩΤΩΝΤΡΙ[С] ΝΕΩΚΟΡΩΝ</p> <p>Homonoia in modius, chiton and peplos, standing l., holding patera over lighted altar; in her l., cornucopiae; opposite her stands a female figure (Demeter?), holding in up-raised r., ears of corn (?); l. hand lowered towards altar: in field, between the two figures, race-torch (?) [Pl. xxxii. 7.]</p>
Maximus.			
340	Æ 1·35	<p>·ΓΑΙΟC·ΙΟΥΛ·ΒΗΡΟ C·ΜΑΖΙΜΟC· Bust of Maximus r., bare, wear- ing paludamentum and cuirass. [Pl. xxxiii. 1.]</p>	<p>ΕΠΙΣΤΡΑΥΡ ΝΕΙ ΠΕΡΓΑΜΗ ΛΟΝ ΝΩ Ν ΠΡΩΤΩΝΓΝΕ ΩΚΟΡΩΝ Asklepios l., holding snake-encircled staff in r., and Hygieia r., feeding serpent from patera held in l., standing facing one another: in field, l., race- torch (?).</p>
Gordian III.			
341	Æ 1·4	<p>ΑΥΤ·Κ·Μ·ΑΝΤ· ΓΟΡ ΔΙΑΝΟC Bust of Gor- dian III. r., laur., wear- ing paludamentum and cuirass.</p>	<p>ΕΠΙΣΤΡ ΚΛ·ΓΛΥΚΩ ΝΟ C·Ρ ΟΝΦΕΙΝΙΑΝΟΝΙΠΠΙΚΟΝ ·ΠΡΩΤΩΝ ΓΝΕΩ ΚΟΡΩΝΤΙ ΕΡΓΑΜΗ Ν Asklepios standing facing, holding snake-encircled staff in r.</p>
342	Æ 1·4	<p>·ΑΥΤΟΚ·Μ·ΑΝ Τ·ΓΟ ΡΔΙΑΝ Ο C· Bust of Gordian III. r., laur., wearing paludamentum and cuirass.</p>	<p>·ΕΠΙC·ΙΟΥΛ·ΛΟΓΙ C ΜΟΝΤΕ ΡΓΑ Μ Η ΝΩ[N] ΓΝΕΩΚΟΡ· Female figure ΩΝ turreted (Tyche of Pergamum?) seated l. on throne, in r., patera; l. on sceptre.</p>

No.	Metal. Size.	Obverse.	Reverse.
		Trajan Decius.	
343	Æ 1·5	AVT·K·Γ·ΜΕC·KVIN ΤΡΑΙΑΝΟCΔΕΚΙΟ C Bust of Trajan Decius r., laur., wearing paluda- mentum and cuirass.	ΕΠΙC·ΚΟΜΦ ΓΛ VKΩΝΟC ΠΕΡΓΑ ΜΗΝΩΝ ΠΡΩΤΩΝ·ΓΝΕ ΩΚΟΡΩΝ Dionysos holding wreath in r. and thyrsos in l., standing l., crowning the Emperor, who stands facing him in military dress, holding in r., patera, in l., spear; between the two figures, altar.
		Etruscilla.	
344	Æ 1·15	ΕΡΕΝ·ΕΤΡΟΥCΚΙΑ ΛΑ CΕΒ Bust of Etruscilla r.	[ΕΠΙC]ΚΟΜΦΓ ΛVKΩΝΟC ΠΕΡΓΑ ΜΗΝΩΝ Asklepios standing facing, holding snake-encircled staff in r.
		Valerian I.	
345	Æ 1·65	AVT·K·Π·ΛΙΚ·ΟV ΑΛ ΕΡΙΑΝΟC Bust of Valerian I. r., laur., wear- ing paludamentum and cuirass.	ΕΠΙCΑVΡΔ ΑΜΑ ΑCΙΑΡ ΓΝΕ ΩΚ ΟΡ ΠΕΡΓΑΜΗΝΩ ΝΠΡΩΤΩ N Asklepios and Tyche. Asklepios on l., holding snake-encircled staff in r., stands facing; Tyche on r., holding in r., rudder; in l., cornucopiae, stands l.

No.	Metal. Size.	Obverse.	Reverse.
Gallienus.			
346	Æ 1.35	·ΑΥΤ·Κ·Π·ΛΙΚ· ΓΑΛΛ ΙΗΝΟC Bust of Gal- lienus r., laur., wearing paludamentum and cuirass.	ΕΠΙC·ΑΥΡ· ΔΑΜΑ ·ΑCΙΑΡΧ· ΠΕΡΓ ΑΜΗ ΝΩΝ ΠΡΩΤΩΝ· Γ· Youthful male ΝΕΩΚΟΡ figure standing r., ΩΝ naked, offering ram's head in outstretched l. to a youthful figure (Hermes ?) who stands facing him, extending r. hand to receive ram's head, his chlamys on l. arm.*
347	Æ 1.3	·ΑΥΤ·Κ·Π·ΛΙΚ· ΓΑΛΛ ΙΗΝΟC Bust of Gal- lienus r., laur., wearing paludamentum and cuirass.	ΕΠΙ·CΕΙ·ΚΑ CΕΙΑ ΠΕΡΓΑΜ ΙΑΝ ΟΥ ΝΩΝ ΠΡΩΤΩΝ· Γ· Youthful ΝΕΩΚΟΡ male figure standing r., naked, l. hand out- stretched beneath the ram's head held in the r. hand of the youthful figure (Hermes ?) who stands facing him, his chlamys on l. arm : between the two figures, altar.* [Pl. xxxii. 8.]
348	Æ 1.15	ΑΥΤ·Κ·Π·ΛΙΚ·ΓΑΛΛΙ ΗΝΟC Bust of Gal- lienus r., laur., wearing paludamentum and cuirass.	ΕΠΙ·CΕΙ[ΚΑ]CΕΙΛΙΑΝΟV· written outside a wreath which encloses the following inscription :— ΠΡΩ ΤΑΟΛV ΜΠΙΑΕΝ ΠΕΡΓΑΜ ΩΠΡΩΤ ΩΝ·Γ·Ν

* Cp. no. 334, *supra*.

No.	Metal. Size.	Obverse.	Reverse.
349	Æ 9	<p style="text-align: center;">Salonina.</p> <p>ΚΟΡ.ΣΑΛΩ ΝΕΙΝΑ. CE Bust of Salonina r.</p>	<p>ΠΕΡΓΑΜΗ ΝΩΝ.Γ.ΝΕ ΩΚ ΟΡ. Dionysos, in short chiton, standing l.; in r., kantharos; in l., thyrsos; before him, panther.</p>
<p>ALLIANCE COINS.</p> <p>PERGAMUM AND NICOMEDIA.</p> <p><i>Gordian III.</i></p>			
350	Æ 1.75	<p>ΑΥΤΚΜΑΝΤ. ΓΟΡΔΙΑΝΟC Bust of Gordian III. r., laur., wearing paludamentum and cuirass.</p>	<p>ΕΠΙCΙΟΝΛ ΛΟΓΙC ΠΕΡΓΑΜΗ ΜΟV ΝΩΝ ΚΑΙΝΕΙΚΟΜΗ ΔΕΩΝΟΜΟΝ OIA Asklepios, holding snake-encircled staff in r., standing r., facing Demeter who stands l., holding in r., ear of corn and poppy-head, in l., torch; at her feet, prow.</p> <p>[Pl. xxxiii. 2.]</p>
351	Æ 1.5		<p>(ΕΠΙCΙΟΝΛ. ΛΟΓΙΤ ΠΕΡΓΑΜΗ [C]ΜΟ ΗΝΩΝ V ΚΑΙΝΕΙΚΟ ΜΗΔΕΩΝ)</p>
352	Æ 1.4	<p>ΑΥΤΟΚ.Μ.ΑΝ Τ.ΓΟΡΔΙΑΝ ΟC</p>	<p>ΕΠΙCΙΟΝΛΛΟΓΙCΤΕΡΓΑΜΗΝ ΚΝΕΙΚΟΜΗΔ Ε ΝΩ ΜΟ V ΟΜΟΝ Asklepios and Demeter standing facing one another on deck of vessel; Asklepios holds in r., snake-encircled staff; Demeter holds in r., ears of corn; in l., torch.</p>

No.	Metal. Size.	Obverse.	Reverse.
<p>PERGAMUM AND EPHEBUS.</p> <p><i>Commodus.</i></p>			
353	Æ 1·8	<p>ΑΥΚΑΙΜΑΥ ΡΗΚΟΜ ΟΔΟΣ Bust of Com- modus r., laur., wearing paludamentum and cui- rass.</p>	<p>ΕΠΙ ΤΡΑΤΑΙΤΙΟΥ ΚΟΙΝΟΝ ΟΜΟΝΟΙΑ ΠΕΡΓΑΜΗΝΩΝ ΚΑΙ ΕΦΕΣΙΩΝ</p> <p>Two tetrastyle temples facing, between which, tall column supporting statue (a Roman Emperor), in military dress, holding in r., spear; in l., sword: * in temple on l., Asklepios standing facing; in temple on r., Ephesian Artemis facing. [Pl. xxxiii. 3.]</p>
354	Æ 1·65	<p>ΑΥΚΑΙΜΑΥ ΡΗΚΟΜ ΟΔΟΣ Bust of Com- modus r., laur., wearing paludamentum and cuirass. (Same die as no. 353.)</p>	<p>ΕΠΙ ΤΡΑΤΑΙΤΙΟΥ ΚΟΙΝΟΝ ΟΜΟΝΟΙΑ [Α?] ΠΕΡΓΑΜΗΝΩΝ ΚΑΙ ΕΦΕΣΙΩΝ Asklepios on r., holding snake-encircled staff in r., standing to front, head l.; at his feet, omphalos; Ephesian Artemis on l., facing: above, Nike crowning the two figures with wreath held in each hand. [Pl. xxxiii. 4.]</p>
355	Æ 1·65	<p>countermark, male head r. (Caracalla?).</p>	<p>(ΕΠΙ ΤΡΑΤΑΙΤΙΟΥ) ΚΟΙΝΟΝ ΠΕΡΓΑΜΗΝΩΝ [ΚΑΙ ?] ΕΦΕΣΙΩΝ) (Asklepios on l., Artemis on r.)</p>

* The same statue occurs on no. 308, *supra*.

No.	Metal. Size.	Obverse.	Reverse.
356	Æ 1·4	ΑΥΤΟ[ΚΑΙ?]Μ· ΑΥΡ ΗΚΟΜΟΔΟ C Bust of Commodus r., laur., wearing paludamen- tum and cuirass.	ΚΟΙΝΟΝ ΠΕΡΓΑΜ ΗΝΩΝ ΚΕ ΦΕ ΕΠΙΣΤΡΤΑΙ ΠΙΟΝ Asklepios on l., standing r., holding snake- encircled staff in r.; at his feet, omphalos; Ephesian Artemis on r., facing.
357	Æ 1·35	(ΑΥ[ΚΑΙ]ΜΑΥ ΡΗΚΟ ΜΟΔΟΣ Bust varied.)	(ΠΕ ΡΓΑΜ &c.)
358	Æ 1·75	ΑΥΚΑΙΜΑΥ ΡΗΚΟΜ ΟΔΟΣ Bust of Com- modus r., laur., wearing paludamentum. countermarks, wreath, head of Caracalla r.	ΕΠΙΣΤΡΤΑΙ ΠΙΟΝΚ ΟΙΟΝ ΟΜΟ ΠΕΡΓΑΜΗΝΩΝ ΚΑΙΕΦΕCΙΩΝ Bearded male figure in himation (Pergamos),* standing r., holding in r., statue of Asklepios, in l., sceptre; he faces youthful male figure (An- droklos?) standing l., holding in r., statue of Ephesian Artemis, in l., spear; on right arm, chlamys. [Pl. XXXIII. 5.]
<i>Gallienus.</i>			
359	Æ 1·4	ΑΥΤ·Κ[Π]ΛΙΚΙ· ΓΑΛ ΛΙΗΝΟΣ Bust of Gallienus r., laur., wear- ing paludamentum and cuirass.	ΕΠΙCΕΖ·ΚΛ·CΕΙΛΙ ΠΕΡΓ ΑΜ ΗΝ ΑΝΟ V ΩΝ ΚΑΙΕΦΕCΙΩΝ ΟΜΟΝ Asklepios, holding snake-encircled staff in r., and Ephesian Artemis, both standing facing.

* Cp. the head of Pergamos on no. 225, *supra*.

No.	Metal. Size.	Obverse.	Reverse.
<p style="text-align: center;">PERGAMUM AND SARDES.</p> <p style="text-align: center;"><i>Time of Augustus.</i></p>			
		<p>ΠΕΡΓΑΜΗΝΩΝ ΚΑΙ ΣΑΡΔΙΑΝΩΝ Bearded male figure (Demos of Pergamum), in himation, standing, on r., facing, crowning with r. another bearded male figure (Demos of Sardes), standing, on l., facing, with arms wrapped in himation.</p>	<p>ΣΕΒΑΚΤΟΝ ΚΕ ΦΑ ΛΙ ΩΝ ΓΡΑ ΜΜΑ ΤΕΥ ΩΝ Distyle temple of Augustus, within which Augustus stands facing, holding in r., spear; in l., cloak.*</p>
360	Æ 85	[Pl. xxxiii. 6.]	
361	Æ 8		
362	Æ 8		
363	Æ 9		
<hr/> <p style="text-align: center;">MYTILENE AND PERGAMUM.</p> <p style="text-align: center;"><i>See MYTILENE. (Cat. Troas-Lesbos.)</i></p> <hr/> <p style="text-align: center;">EPHESUS AND PERGAMUM.</p> <p style="text-align: center;"><i>See EPHESUS. (Cat. Ionia.)</i></p> <hr/>			
<p>* The name Kephalion occurs on Pergamene coins of Domitian (no. 225, <i>supra</i>); of Hadrian (<i>Mion. sup. t. v.</i>, p. 436, no. 977 ff.), and of the time of Augustus (no. 247, <i>supra</i>). The style of the lettering and the types show that these alliance-coins belong to the reign of Augustus (cp. nos. 236-238; 242-245, <i>supra</i>).</p>			

No.	Metal. Size.	Obverse.	Reverse.
		<p>EPHESUS, SMYRNA AND PERGAMUM.</p> <p><i>See</i> EPHESUS. (<i>Cat. Ionia.</i>)</p> <hr/> <p>SMYRNA AND PERGAMUM.</p> <p><i>See</i> SMYRNA. (<i>Catal. Ionia.</i>)</p> <hr/> <p>SARDES AND PERGAMUM.</p> <p><i>See</i> SARDES. (<i>Catal. Lydia.</i>)</p> <hr/> <p>HIERAPOLIS (PHRYG.) AND PERGAMUM.</p> <p><i>See</i> HIERAPOLIS. (<i>Cat. Phrygia.</i>)</p> <hr/> <p>LAODICEA (PHRYG.) AND PERGAMUM.</p> <p><i>See</i> LAODICEA. (<i>Catal. Phrygia.</i>)</p> <hr/>	

No.	Metal. Size.	Obverse.	Reverse.
<p>PERPERENE.*</p> <p><i>Second or first century, B.C.</i></p> <p>BRONZE.</p>			
1	Æ 35	Head of Apollo r., laur.	Π ΕΡ Bunch of grapes.
		[Pl. xxxiv. 1.]	
2	Æ 35		(ΠΕΡΠΕ)
<hr/> <p><i>Imperial Coinage.</i></p> <p>BRONZE.</p> <p>(a. Without heads of Emperors.)</p> <p><i>Time of Domitian?</i></p>			
3	Æ 6	Head of Athena r., helmeted.	ΠΕΡΠ[ΕΡ]ΗΝ Bunch of grapes.
4	Æ 6	ΘΕΑΝ ΡΩΜΗΝ Bust of Roma r., turreted. [Pl. xxxiv. 2.]	Π[Ε]ΡΠΕ ΡΗΝΙΩΝ Bunch of grapes.
<p><i>Time of Trajan or Hadrian.</i></p>			
5	Æ 55	Bust of Athena r., wearing helmet and aegis.	ΠΕΡΠ ΕΡΗΝΙΩΝ Bunch of grapes.
6	Æ 55		

* On the site, see Ramsay, *Hist. Geog. Asia Minor*, pp. 13, 117, 457.

No.	Metal. Size.	Obverse.	Reverse.
(b. With heads of Emperors.)			
Antoninus Pius.			
7	Æ ·6	ΑΥΚΑ[Ι]ΤΡΑΙΑΔΡΙ ΑΝΤΩΝΕΙΝΟ Head of Antoninus Pius r., bare.	ΠΕΡΤΕ ΡΗΝΙΩΝ Telephoros standing facing, holding in r., bunch of grapes.* [Pl. xxxiv. 3.]
Commodus.			
8	Æ ·7	ΑΥΤΟΚ ΑΥΚΟΜΟ Bust of Commodus r., laur., wearing paludamen- tum and cuirass.	ΠΕΡΤΕΡ ΗΝΙΩΝ Asklepios standing l., holding in r., snake- encircled staff.
Septimius Severus.			
9	Æ 1·55	ΑΥΤΚΑΙΛΣΕ ΠΤΣΕΟ ΥΗΡΟΠΤΕΡ Bust of Sept. Severus r., laur., wearing paludamentum and cuirass. [Pl. xxxiv. 4.]	ΕΠΙΣΤΡΑΙΑΙΛΑΝ ΤΙ ΦΑΝΟΥΤ ΟΒΠΕΡΠΕΡΗΝ [Ι?] ΩΝ Young Dionysos wearing chlamys over l. arm and cothurni, standing l.; in r., kantharos; in l., thyrsos: before him, panther.
10	Æ ·75	ΑΥΤΚΑΙΛ· ΣΕΒΗΡ· Head of Sept. Severus r., laur.	ΠΕΡΤΕ ΡΗΝΙΩΝ Asklepios standing l., holding in r., snake- encircled staff.
Caracalla and Geta.			
11	Æ 1·3	ΑΥΤΚΜ ΑΥΡΑΝΤ ΩΝΕΙΝΟC (rest of inscription intentionally erased). Bust of young Caracalla r., laur., in pa- ludamentum and cuirass [facing bust of Geta l., intentionally erased in antiquity].†	ΕΠΙCΤ... ΤΥ ΑΤΤΑΛΟΝ ΠΕΡΤΕΡΗΝ ΙΩΝ Zeus, wearing himation over lower limbs, seated l.; in r., Nike; l. on sceptre.

* This specimen was first published by Borrell in the *Num. Chron.* vi., p. 187, no. 1.

† See note, p. 157 (Pergamum).

No.	Metal. Size.	Obverse.	Reverse.
12		<p style="text-align: center;">Severus Alexander.</p> <p>ΑΥΤΟΚΡΑΜΑΥΡΟC ΑΛΕΞΑΝΔΡΟ C Bust of Sev. Alexander r., laur., wearing paludamen- tum and cuirass.</p>	
	Æ 1·5		<p>ΕΠΙCΤΡΑΥΡΗ ΠΕΡΤΕ P NI H ΩΝ Athena helmeted, standing l.; r. on shield; l. resting on spear.*</p>
13		<p style="text-align: center;">J. Mamaea.</p> <p>ΙΟΥΛΑ ΜΑΜ ΑΙΑCΕ ΒΑ Bust of J. Mamaea r.</p>	
	Æ 1·15		<p>CΤΡΑ .. ΑΠΕΛΛ Ι CΟΥ(?) ΠΕ ΠΤΕΡΗ ΝΙ Ω N Young Dionysos standing l.; in r., kan- tharos; in l., thyrsos: at his feet, panther.</p>
14		<p style="text-align: center;">Otacilia.</p> <p>ΜΑΡΚ-ΩΤΑΚ-CΕΒΗΡ Α·ΑΥ Bust of Otacilia r. (countermarked).</p>	
	Æ 1·3		<p>ΕΠΙC ΙΟΥΝΕΟΥ(?) ΠΕ ΠΤΕΡΗΝ ΙΩΝ Demeter seated l. on cista; in r. [ears of corn?]; l. rests on torch.</p>

* This specimen was first published by Borrell in the *Num. Chron.* vi., p. 187, no. 3.

No.	Metal. Size.	Obverse.	Reverse.
PITANE. <i>Fourth century, B.C.</i> BRONZE.			
1	Æ ·3	Female head r. (Maenad?) [wreathed with ivy?].	Π I [border.]*
		Head of Zeus Ammon r., bearded and horned.	Π I Pentagram; in centre, pellet.
2	Æ ·4	[Pl. xxxiv. 5.]	
3	Æ ·45		
4	Æ ·35		(Π I Σ O Σ)†
		Head of Zeus Ammon r., bearded and horned.	Π I T A N Pentagram; in centre, pellet.
5	Æ ·65	[Pl. xxxiv. 6.]	
6	Æ ·7		
7	Æ ·5	[Pl. xxxiv. 7.]	(Π I T A)
8	Æ ·4		(Π I T A)
9	Æ ·45		
10	Æ ·45		(Π for Π)

* A better preserved specimen is published in Waddington, *Voy. en As. Min.*, p. 76, no. 1.

† Dr. Imhoof-Blumer (*Z. f. N. i.*, p. 138), suggests that this is the name of a magistrate. The town-name is omitted.

No.	Metal. Size.	Obverse.	Reverse.
		Head of Zeus Ammon, horned and bearded, facing, slightly turned towards r.: border of dots.	ΠΙ ΤΑ ΝΑΙΩΝ Pentagram.
11	Æ ·7	[Pl. xxxiv. 8.]	in field, l., serpent.
12	Æ ·6		” ” ”
13	Æ ·7		
<i>Circ. B.C. 133—Augustus.</i>			
BRONZE.			
14	Æ ·6	Head of Zeus r., laur.: border of dots.	ΠΙΤΑ Head of Zeus Ammon, bearded ΝΑΙΩΝ and horned, facing, turned towards l.: the whole in ivy-wreath.
<hr/>			
<i>Imperial Coinage.</i>			
BRONZE.			
(α. Without heads of Emperors.)			
<i>Time of Domitian?</i>			
15	Æ ·6	ΘΕΑ ΡΩΜΗ Bust of Roma r., turreted: border of dots. [Pl. xxxiv. 9.]	ΠΙΤΑΝΑΙΩΝ Round shield, ornamented with pentagram: border of dots.*
		ΑΜΜΩΝ Head of Zeus Ammon, bearded and horned, r.: border of dots.	ΠΙΤΑΝΑΙΩΝ Round shield, ornamented with pentagram: border of dots.
16	Æ ·6	(Α[Μ] ΜΩΝ) [Pl. xxxiv. 10.]	(Υ for Ω)
17	Æ ·6		(ΠΙΤΑ ΝΑΙΩΝ)

* With this coin, cp. Imhoof, *Monn. gr.*, p. 258, no. 145a.

* With this coin, cp. Imhoof, *Monn. gr.*, p. 258, no. 145a.

No.	Metal. Size.	Obverse.	Reverse.
		<p style="text-align: center;"><i>Time of Trajan and Hadrian.</i></p>	
18	Æ 6		
		<p style="text-align: center;">(b. With heads of Emperors.)</p> <p style="text-align: center;">M. Aurelius.</p>	
19	Æ 75		
		<p style="text-align: center;">Faustina, jun.</p>	
20	Æ 7		

Bust of Athena r., helmeted: **ΠΙΤΑ ΝΑΙΩ[N]** Telesphoros
border of dots. standing facing, wearing mantle
with hood.

ΑΥΡΗΚΑΙCΑΡ ΒΗΡΗ ΕΠΙCΤΡΑ ΑΝΟC
CIM OC Head of **ΠΙ ΤΑ** Homonoia
M. Aurelius r., bare. standing l., holding in r., patera
over lighted altar; in l., cornucopiae.

ΦΑΥCΤΙΝ ΑCΕΒΑCΤ **ΠΙΤ Α ΝΑΙΩΝ** Figure in short
Bust of Faustina, jun. r. chiton (Artemis), standing l., holding
in r., patera; in l., torch?

No.	Metal. Size.	Obverse.	Reverse.
<p>PLACIA.</p> <p><i>Fourth century, B.C.</i></p> <p>BRONZE.</p>			
1	Æ ·4	Female head r., wearing stephane, earring and necklace; hair rolled.	ΓΛΑ Bull walking r.
2	Æ ·4		
3	Æ ·5	[Pl. xxxv. 1.]	
4	Æ ·4	Female head r. (Kybele, ἡ Μήτηρ Πλακιανή),* wearing turreted headdress; hair rolled.	ΓΛΑΚΙ Lion's head r.
5	Æ ·45	Female head r. (Kybele, ἡ Μήτηρ Πλακιανή), wearing turreted headdress, earring and necklace.	ΓΛΑΚΙΑ Lion r., devouring prey; beneath, ear of corn.
		[Pl. xxxv. 2.]	

* See *Mittheil. d. deutsch. arch. Inst.* vii., p. 151 ff.

No.	Metal. Size.	Obverse.	Reverse.
<p>POIMANENON.*</p> <p><i>First century, B.C.</i></p> <p>BRONZE.</p>			
1	Æ 85	Head of Zeus r., laur. : border of dots.	ΠΟΙΜΑ ΝΗΝΩΝ Thunderbolt; beneath, BI.
2	Æ 85		
3	Æ 85		
<hr/> <p><i>Imperial Coinage.</i></p> <p>BRONZE.</p> <p>Philip (I.?)</p>			
4	Æ 8	ΑΥΚΜΙΟΝΛΙΟΣΦΙΛΙ ΠΠΟΣΑ/ Bust of Philip (I.?) r., laur.	ΠΟΙΜΑ ΝΗΝΩΝ Tyche standing l.; in r., rudder; in l., cornucopiae. [Pl. xxxv. 3.]
<p>* On the site, see Ramsay, <i>Hist. Geog. of Asia Minor</i>, pp. 157, 158.</p> <hr/>			

No.	Metal. Size.	Obverse.	Reverse.
<p>PRIAPUS.</p> <p>BRONZE.</p> <p><i>Third century, B.C.</i></p>			
1	Æ 4	Head of Apollo r., laur.	ΓΡΙ Cray-fish (or lobster) l.*
		(border of dots.) [Pl. xxxv. 4.]	behind, caduceus.
2	Æ 35		(type r.) (ΓΡ HI type varied from no. 1.)
3	Æ 7	Head of Apollo r., laur.	ΓΡΙΑΓΗΝΩΝ Shrimp r.
		[Pl. xxxv. 5.]	beneath, bunch of grapes.
4	Æ 75		„ scallop-shell.
5	Æ 75	[Pl. xxxv. 6.]	„ serpent.
<p><i>First century, B.C.</i></p>			
6	Æ 8	Head of Artemis r.†	ΠΡΙΑ Stag lying r. ΠΗΝΩΝ
7	Æ 7	Head of Dionysos r., wear- ing ivy-wreath.	ΠΡΙ within ivy-wreath. ΑΠΗ

* Imhoof-Blumer and Keller, *Tier- und Pflanzenbilder* (p. 50, no. 8; pl. viii. 8), describe the type of nos. 1, 2 as a lobster (*Hummer*): Mr. John Evans thinks that it is intended for the sea cray-fish. A shrimp appears to be represented on nos. 3-5.

† The head is imperfectly preserved: Imhoof (*Monn. gr.*, p. 258, no. 147), describes the head of Artemis on a similar specimen, as wearing a 'stéphanos crénelé.'

No.	Metal. Size.	Obverse.	Reverse.
		Head of Dionysos r., wearing ivy-wreath.	ΠΡΙ within ivy-wreath. ΑΠΗ
8	Æ 7	Countermarked, with half- stag r.	countermark, ΠΡΙ Amphora. ΑΠΗ
9	Æ 75	" " "	" " "
10	Æ 8	Countermarked, with bearded male head (Priapus ?) r. : original type obliterated.	" ΠΡΙ Bunch of grapes. Α Π
11	Æ 7	Bust of Artemis r., with quiver at shoulder (double- struck).	Laurel-wreath (countermark, ΠΡΙΑΠ bunch of grapes).
		Head of Demeter r., wreathed with corn and veiled, within corn-wreath.	ΠΡΙ Stag standing r. ; in front, ΑΠΗ cista, from which serpent ΝΩΝ issues, and thyrsos: border of dots.
12	Æ 8	[Pl. xxxv. 7.]	
13	Æ 85		
		Head of Demeter r., wreathed with corn and veiled : border of dots.	ΠΡΙΑ beneath which, bull's head : ΠΗΝΩΝ the whole in corn-wreath.
14	Æ 95	[Pl. xxxv. 8.]	
15	Æ 85	(head smaller than on no. 14.)	(beneath inscr., bull's head and ΦΡ)

No.	Wt.	Metal. Size.	Obverse.	Reverse.
<p>PROCONNESUS. (ISLAND IN THE PROPONTIS.)</p> <p><i>Circ. B.C. 330—circ. B.C. 280.</i></p> <p>SILVER.</p>				
1	55.2	ÆR 65	<p>[ΑΝ]ΑΞΙΓΕΝΗΣ*</p> <p>Female head r. (Aphrodite?), wearing sakkos, laurel-wreath, earring and necklace. [Pl. xxxv. 9.]</p>	<p>ΓΡΟ ΚΟΝ</p> <p>Stag lying r., looking back; in front, oenochoe; beneath, astragalos.</p>
2	37.7	ÆR 45	<p>Female head r. (Aphrodite?), wearing sakkos, laurel-wreath, earring and necklace: border of dots. [Pl. xxxv. 10.]</p>	<p>ΓΡΟ ΚΟΝ</p> <p>Forepart of stag lying r., looking back; behind, oenochoe.</p>
3	36.4	ÆR 5	<p>Female head l. (Aphrodite?), wearing sphen-done, earring and necklace. [Pl. xxxv. 11.]</p>	<p>ΓΡΟ ΚΟΝ</p> <p>Oenochoe l.†</p>
BRONZE.				
4		Æ 7	<p>ΔΗΜΗΤΡΙΟΥ Fe-</p> <p>male head r. (Aphrodite?), wearing sakkos, laurel-wreath, earring (and necklace?). [Pl. xxxv. 12.]</p>	<p>ΓΡΟ</p> <p>Oenochoe r.</p>

* For the reading of the magistrate's name, see Imhoof, *Monn. gr.*, p. 259, no. 151, and Sambon, *Catal. de méd. gr.* (Russian amateur), Milan, 1889, p. 116, no. 1031. This coin (as well as no. 3), is from the Thomas Collection, *Sale Catal.* 1844, part ii., p. 280, lot 2010.

† Müller, *Num. d'Alex. le grand*, nos. 499, 500, 501, attributes coins of Alexandrine types (class V.) to Proconnesus: specimens are in the British Museum.

No.	Metal. Size.	Obverse.	Reverse.
5	Æ 4	Female head r. (Aphrodite?), wearing sphendone and laurel-wreath: border.	ΓΡΟ ΚΟ[N] Oenochoe r.
6	Æ 55	Female head r. (Aphrodite?) wearing sakkos, laurel-wreath [earring?] and necklace. [Pl. xxxv. 13.]	ΓΡΟ ΔΟΝ Dove r.; in front, oenochoe r.; behind, dolphin.

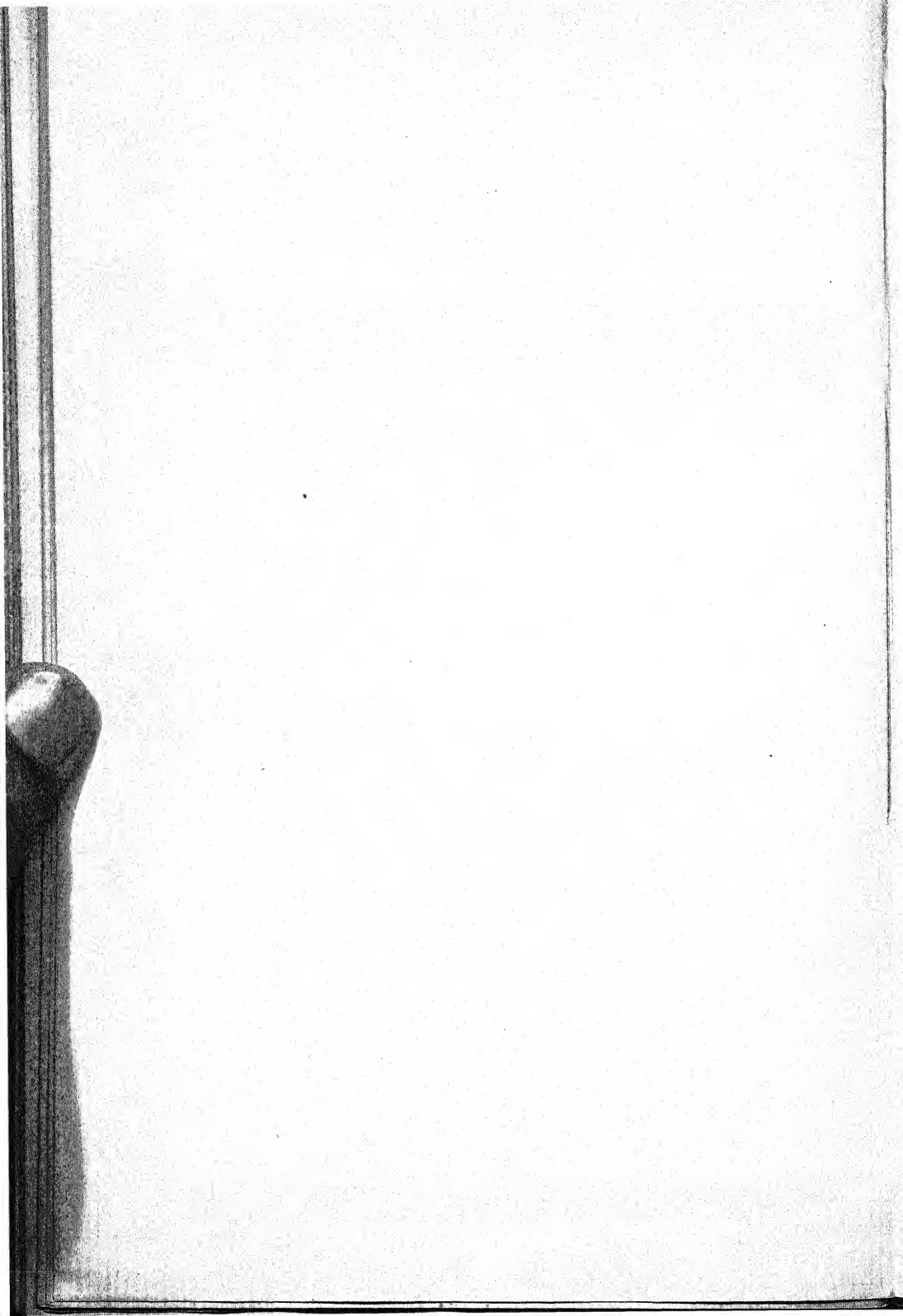
THEBE.

Fourth century, B.C.

BRONZE.

1	Æ 4	Female head r., wearing sakkos.	Θ Η Β Three crescents united.*
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* This specimen was purchased of Mr. Millingen in 1839, it differs, however, somewhat from the engraving of the coin of Thebe, described in Millingen's *Sylloge*, p. 68; pl. iv. 43; and from the coin in Dumersan's *Descript., Allier de Hauteroche*, p. 80; pl. xiii. 19.



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CONVERTING ENGLISH INCHES INTO MILLIMETRES
AND THE
MEASURES OF MIONNET'S SCALE.

ENGLISH INCHES		FRENCH MILLIMETRES
4.		100
		95
		90
3.5		85
		80
		75
3.		70
		65
2.5		60
		55
2.		50
		45
1.5		40
		35
1.		30
.9		25
.8		20
.7		15
.6		10
.5		5
.4		
.3		
.2		
.1		
	MIONNET'S SCALE	
	19	
	18	
	17	
	16	
	15	
	14	
	13	
	12	
	11	
	10	
	9	
	8	
	7	
	6	
	5	
	4	
	3	
	2	
	1	

T A B L E
OF
THE RELATIVE WEIGHTS OF ENGLISH GRAINS AND FRENCH GRAMMES.

Grains.	Grammes.	Grains.	Grammes.	Grains.	Grammes.	Grains.	Grammes.
1	·064	41	2·656	81	5·248	121	7·840
2	·129	42	2·720	82	5·312	122	7·905
3	·194	43	2·785	83	5·378	123	7·970
4	·259	44	2·850	84	5·442	124	8·035
5	·324	45	2·915	85	5·508	125	8·100
6	·388	46	2·980	86	5·572	126	8·164
7	·453	47	3·045	87	5·637	127	8·229
8	·518	48	3·110	88	5·702	128	8·294
9	·583	49	3·175	89	5·767	129	8·359
10	·648	50	3·240	90	5·832	130	8·424
11	·712	51	3·304	91	5·896	131	8·488
12	·777	52	3·368	92	5·961	132	8·553
13	·842	53	3·434	93	6·026	133	8·618
14	·907	54	3·498	94	6·091	134	8·682
15	·972	55	3·564	95	6·156	135	8·747
16	1·036	56	3·628	96	6·220	136	8·812
17	1·101	57	3·693	97	6·285	137	8·877
18	1·166	58	3·758	98	6·350	138	8·942
19	1·231	59	3·823	99	6·415	139	9·007
20	1·296	60	3·888	100	6·480	140	9·072
21	1·360	61	3·952	101	6·544	141	9·136
22	1·425	62	4·017	102	6·609	142	9·200
23	1·490	63	4·082	103	6·674	143	9·265
24	1·555	64	4·146	104	6·739	144	9·330
25	1·620	65	4·211	105	6·804	145	9·395
26	1·684	66	4·276	106	6·868	146	9·460
27	1·749	67	4·341	107	6·933	147	9·525
28	1·814	68	4·406	108	6·998	148	9·590
29	1·879	69	4·471	109	7·063	149	9·655
30	1·944	70	4·536	110	7·128	150	9·720
31	2·008	71	4·600	111	7·192	151	9·784
32	2·073	72	4·665	112	7·257	152	9·848
33	2·138	73	4·729	113	7·322	153	9·914
34	2·202	74	4·794	114	7·387	154	9·978
35	2·267	75	4·859	115	7·452	155	10·044
36	2·332	76	4·924	116	7·516	156	10·108
37	2·397	77	4·989	117	7·581	157	10·173
38	2·462	78	5·054	118	7·646	158	10·238
39	2·527	79	5·119	119	7·711	159	10·303
40	2·592	80	5·184	120	7·776	160	10·368

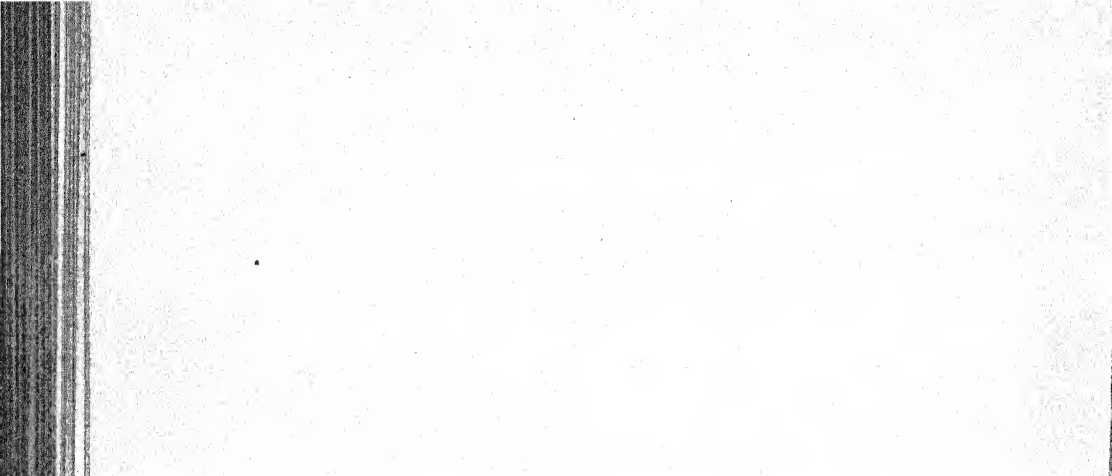
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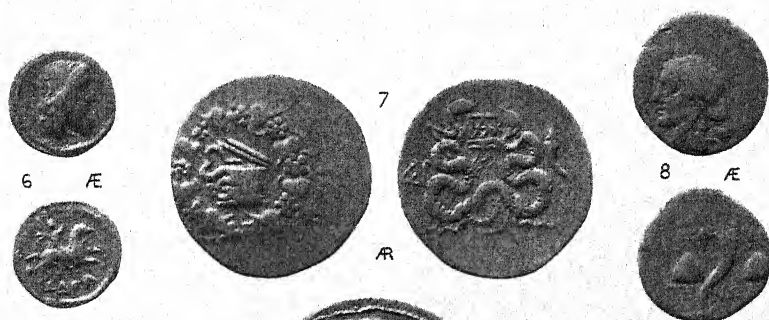
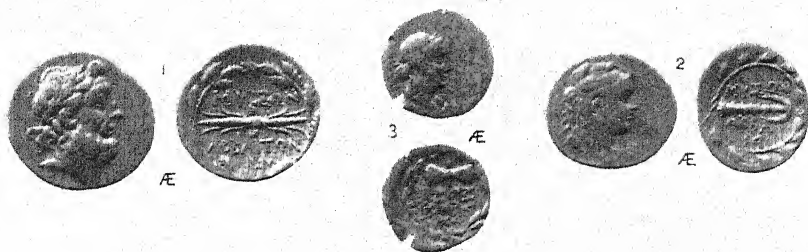
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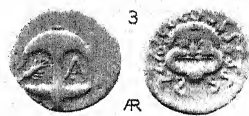
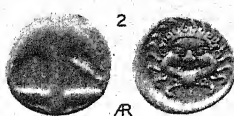
THE RELATIVE WEIGHTS OF ENGLISH GRAINS AND FRENCH GRAMMES.

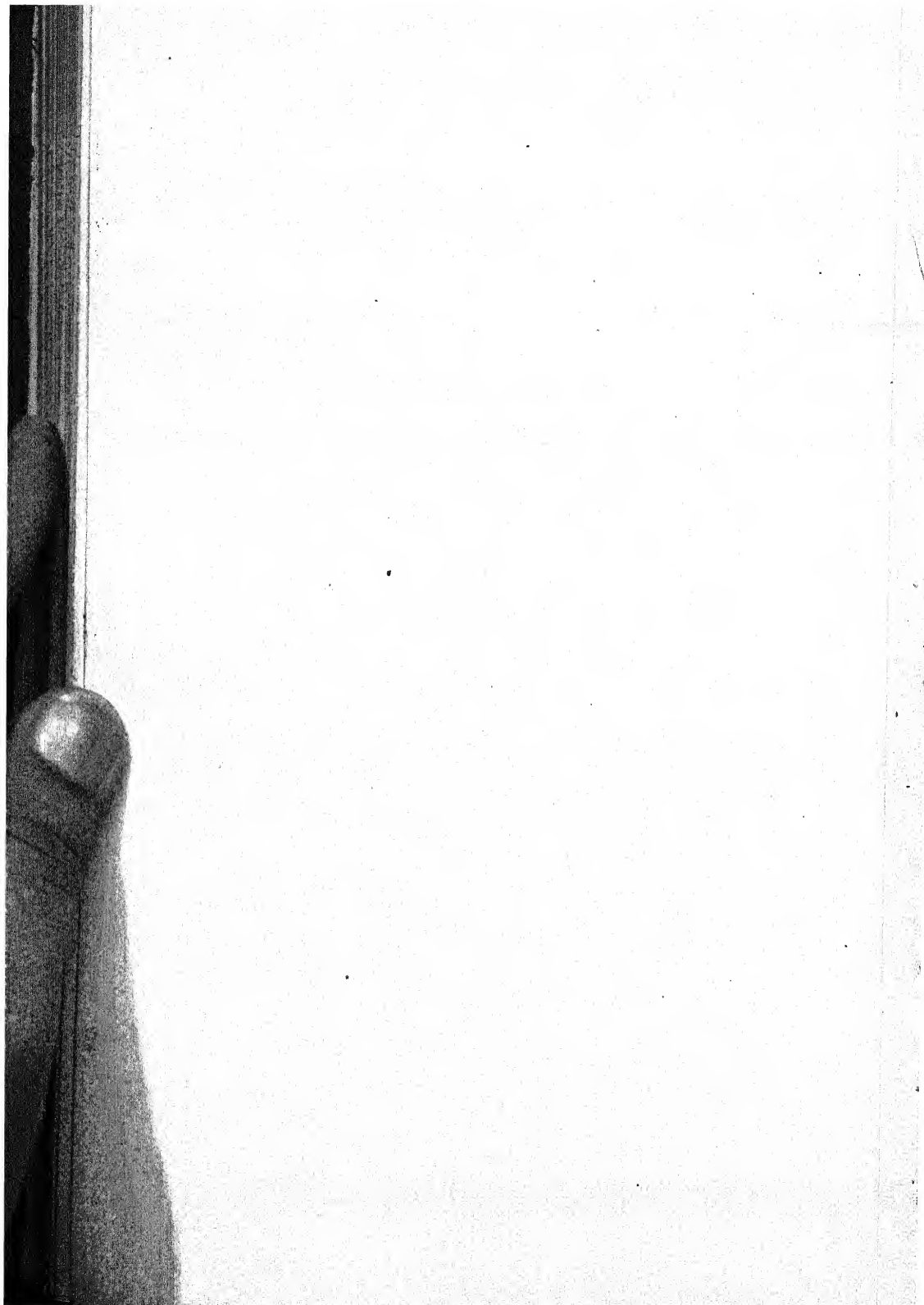
Grains.	Grammes.	Grains	Grammes.	Grains.	Grammes.	Grains.	Grammes.
161	10.432	201	13.024	241	15.616	290	18.79
162	10.497	202	13.089	242	15.680	300	19.44
163	10.562	203	13.154	243	15.745	310	20.08
164	10.626	204	13.219	244	15.810	320	20.73
165	10.691	205	13.284	245	15.875	330	21.38
166	10.756	206	13.348	246	15.940	340	22.02
167	10.821	207	13.413	247	16.005	350	22.67
168	10.886	208	13.478	248	16.070	360	23.32
169	10.951	209	13.543	249	16.135	370	23.97
170	11.016	210	13.608	250	16.200	380	24.62
171	11.080	211	13.672	251	16.264	390	25.27
172	11.145	212	13.737	252	16.328	400	25.92
173	11.209	213	13.802	253	16.394	410	26.56
174	11.274	214	13.867	254	16.458	420	27.20
175	11.339	215	13.932	255	16.524	430	27.85
176	11.404	216	13.996	256	16.588	440	28.50
177	11.469	217	14.061	257	16.653	450	29.15
178	11.534	218	14.126	258	16.718	460	29.80
179	11.599	219	14.191	259	16.783	470	30.45
180	11.664	220	14.256	260	16.848	480	31.10
181	11.728	221	14.320	261	16.912	490	31.75
182	11.792	222	14.385	262	16.977	500	32.40
183	11.858	223	14.450	263	17.042	510	33.04
184	11.922	224	14.515	264	17.106	520	33.68
185	11.988	225	14.580	265	17.171	530	34.34
186	12.052	226	14.644	266	17.236	540	34.98
187	12.117	227	14.709	267	17.301	550	35.64
188	12.182	228	14.774	268	17.366	560	36.28
189	12.247	229	14.839	269	17.431	570	36.93
190	12.312	230	14.904	270	17.496	580	37.58
191	12.376	231	14.968	271	17.560	590	38.23
192	12.441	232	15.033	272	17.625	600	38.88
193	12.506	233	15.098	273	17.689	700	45.36
194	12.571	234	15.162	274	17.754	800	51.84
195	12.636	235	15.227	275	17.819	900	58.32
196	12.700	236	15.292	276	17.884	1000	64.80
197	12.765	237	15.357	277	17.949	2000	129.60
198	12.830	238	15.422	278	18.014	3000	194.40
199	12.895	239	15.487	279	18.079	4000	259.20
200	12.960	240	15.552	280	18.144	5000	324.00

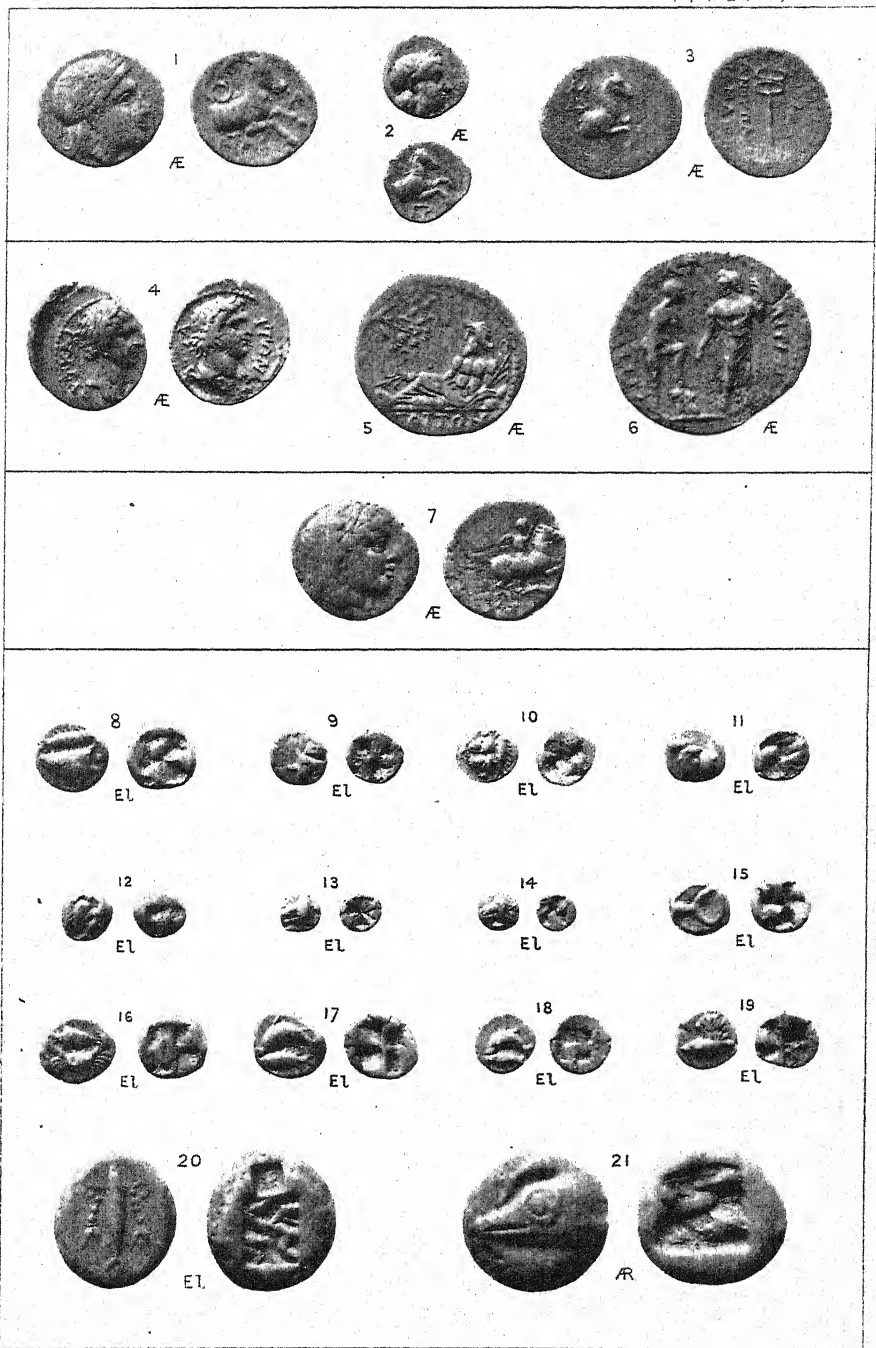
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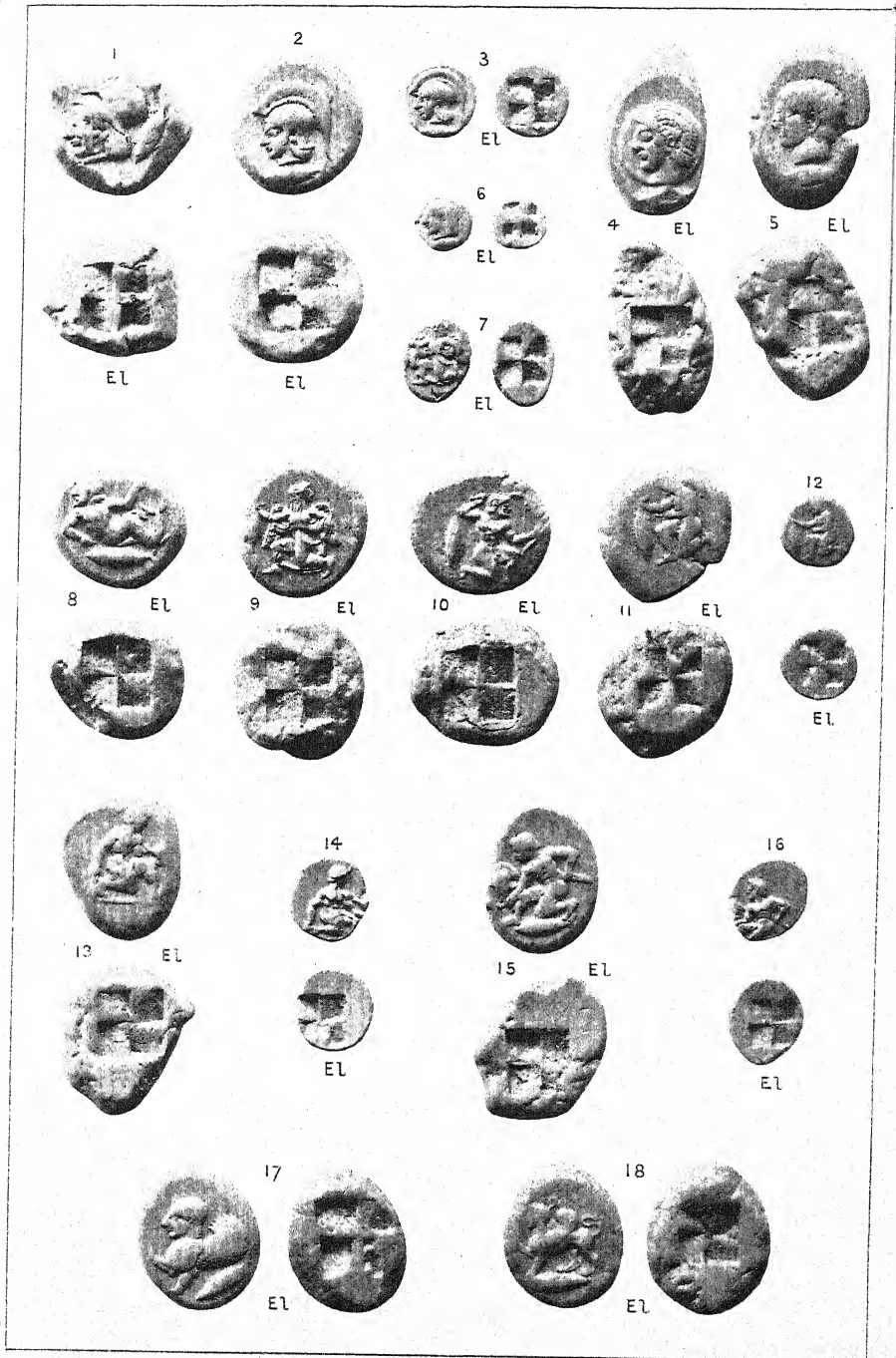


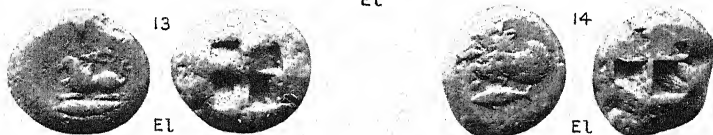
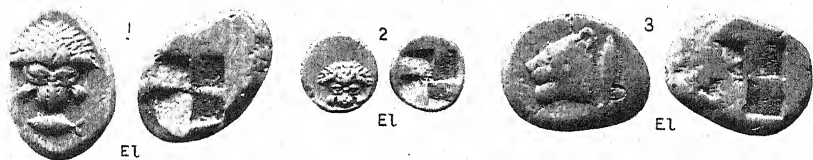


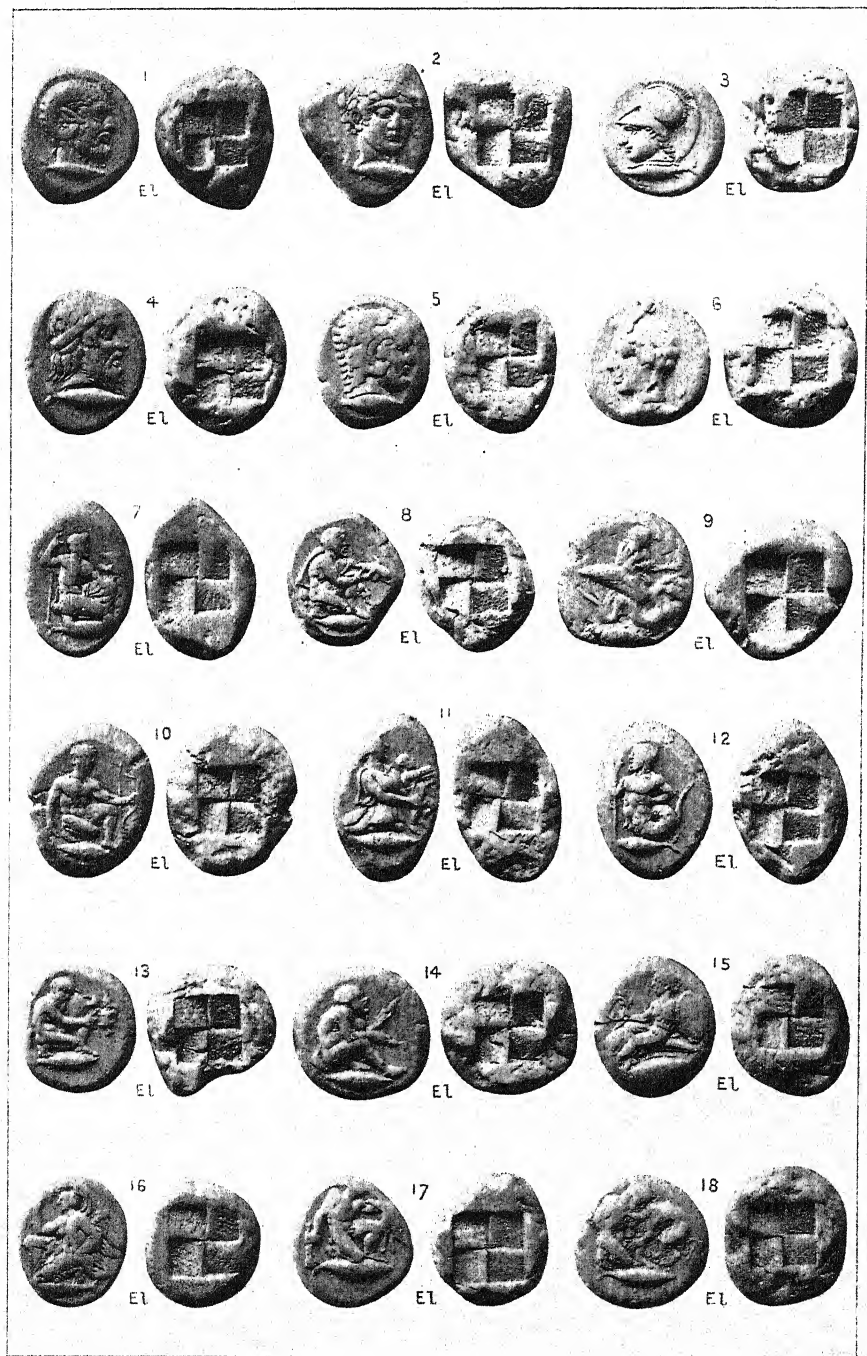


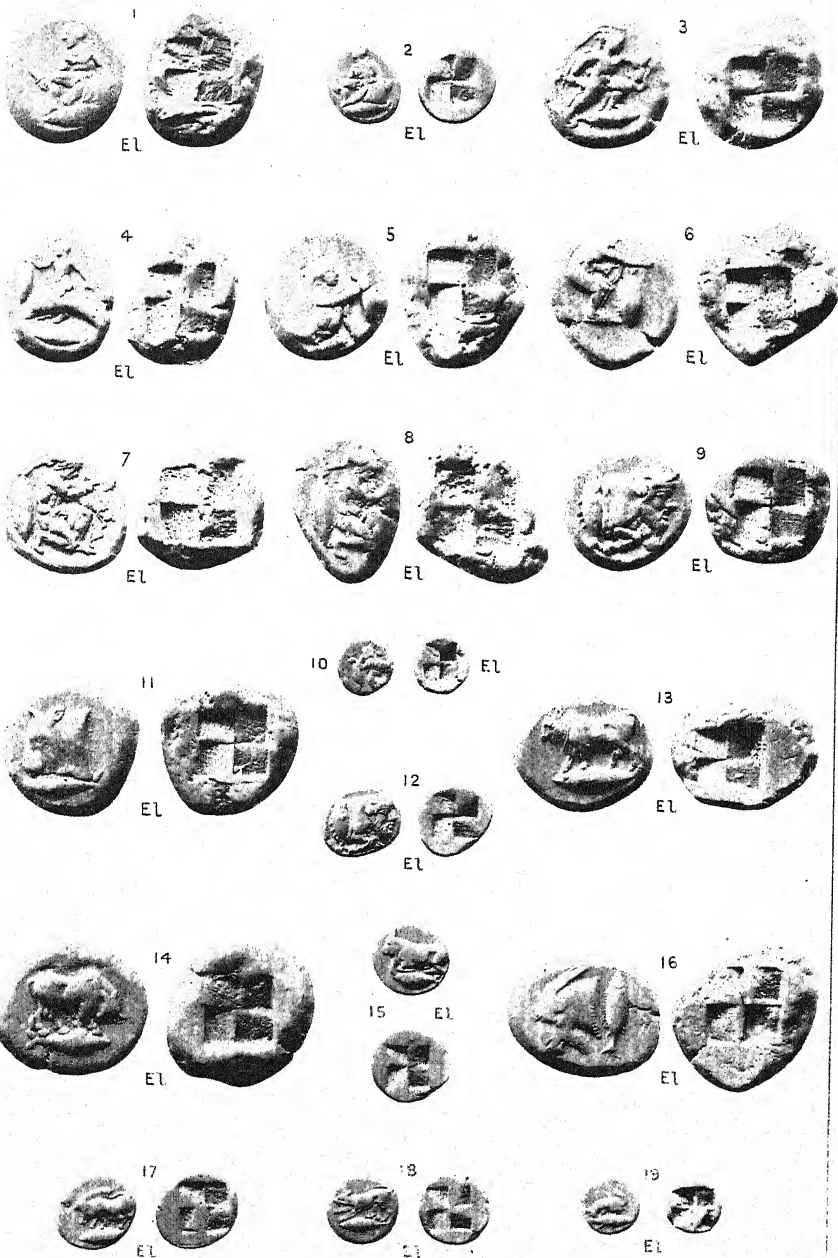


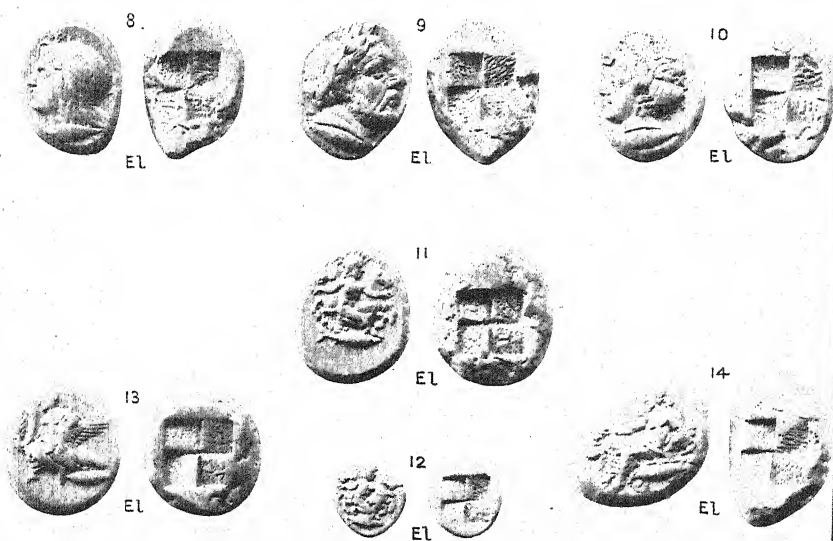
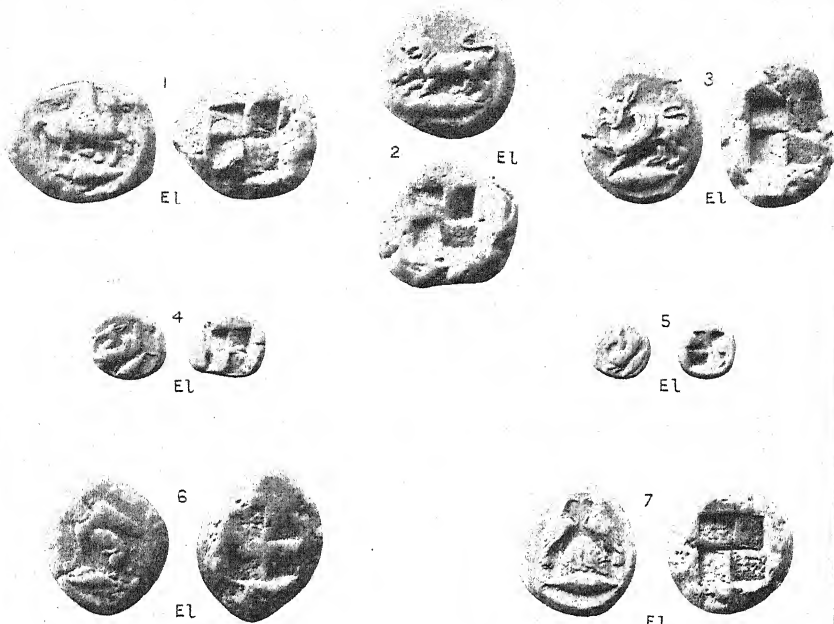


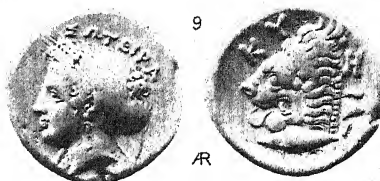




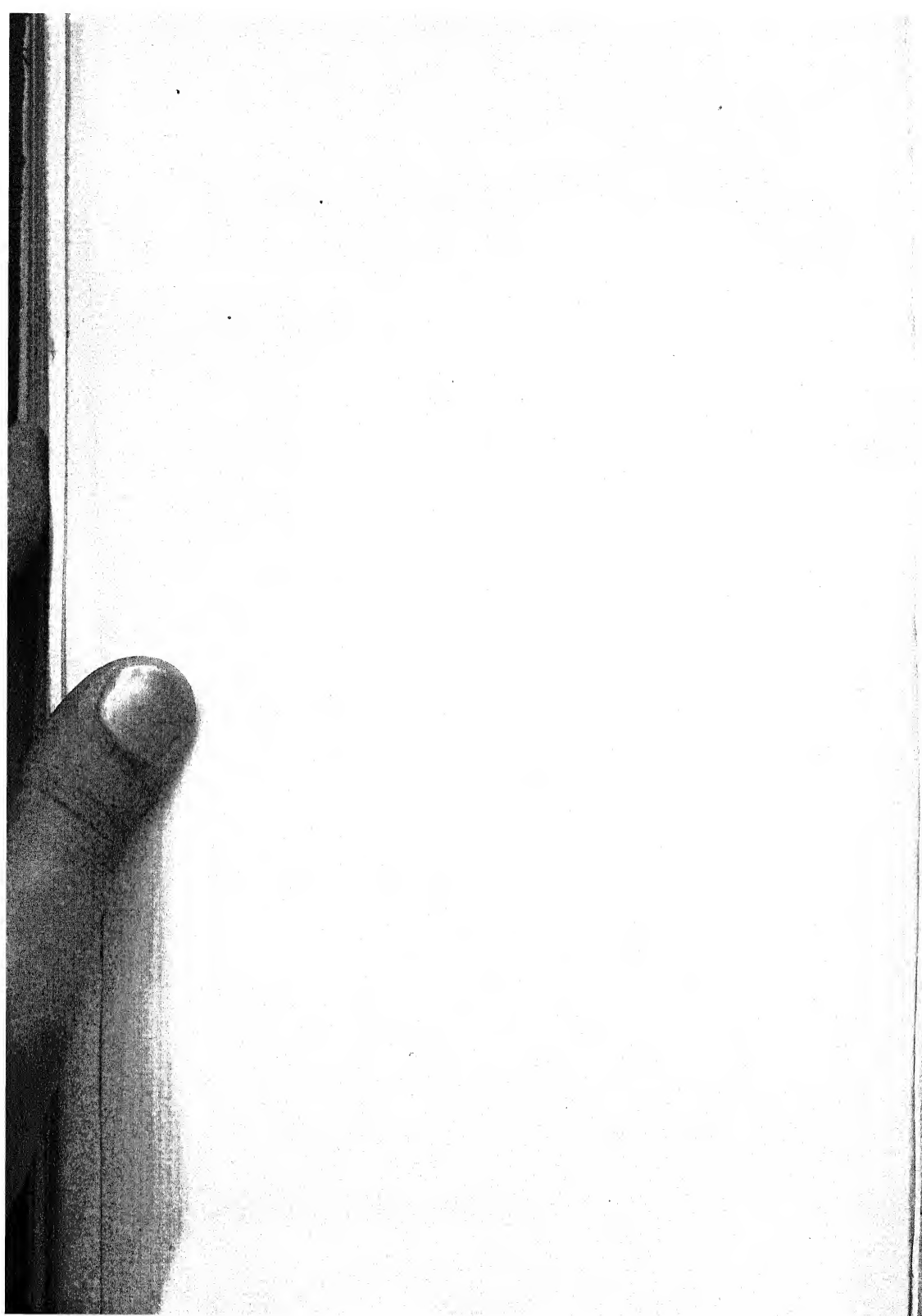








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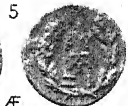
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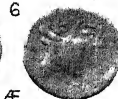
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4 AE



5 AE



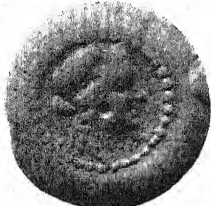
6 AE



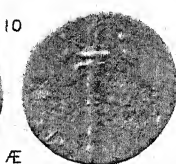
7 AE



8 AE



9 AE



10 AE



11 AE



12 AE



13 AE



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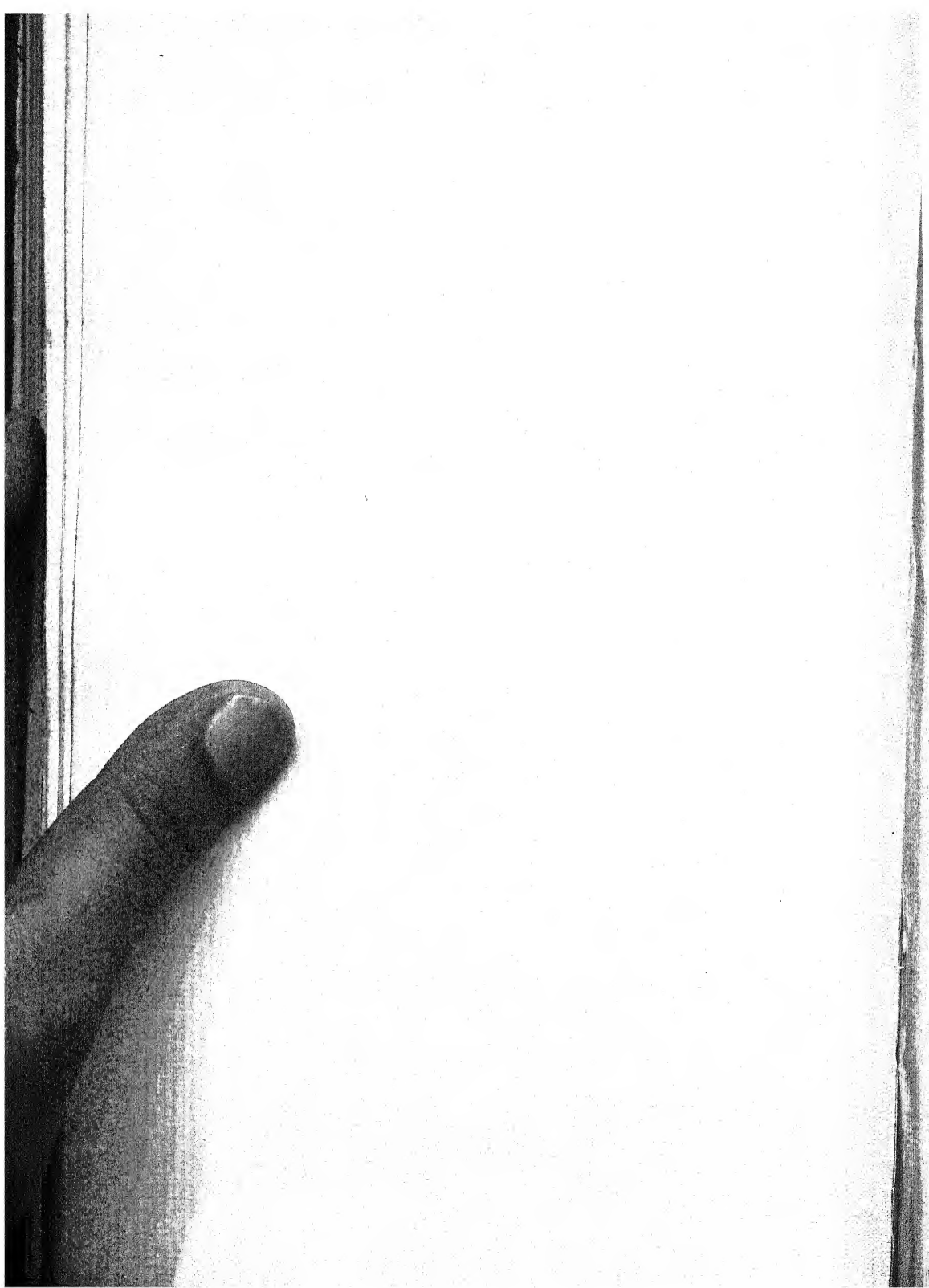
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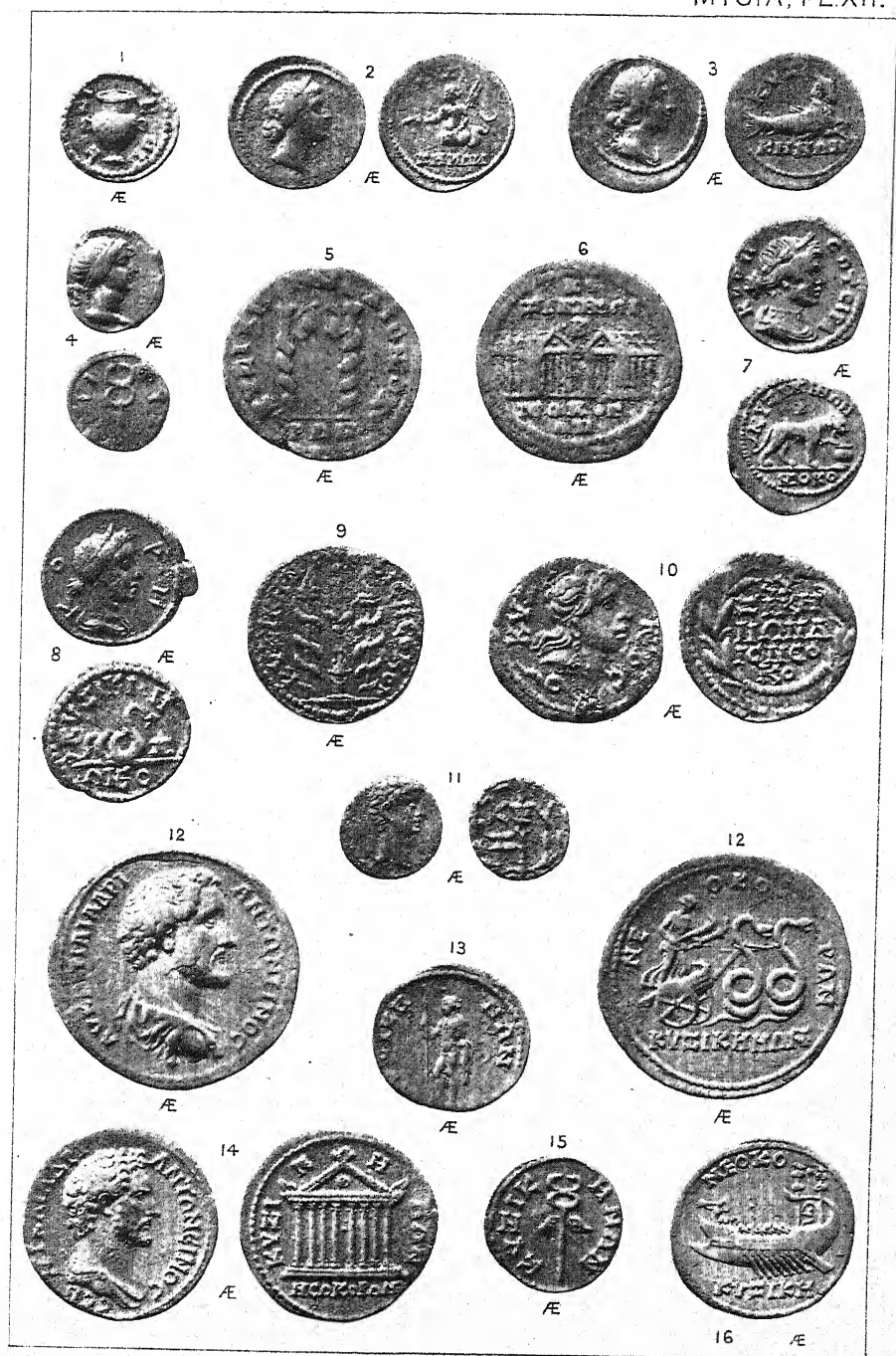


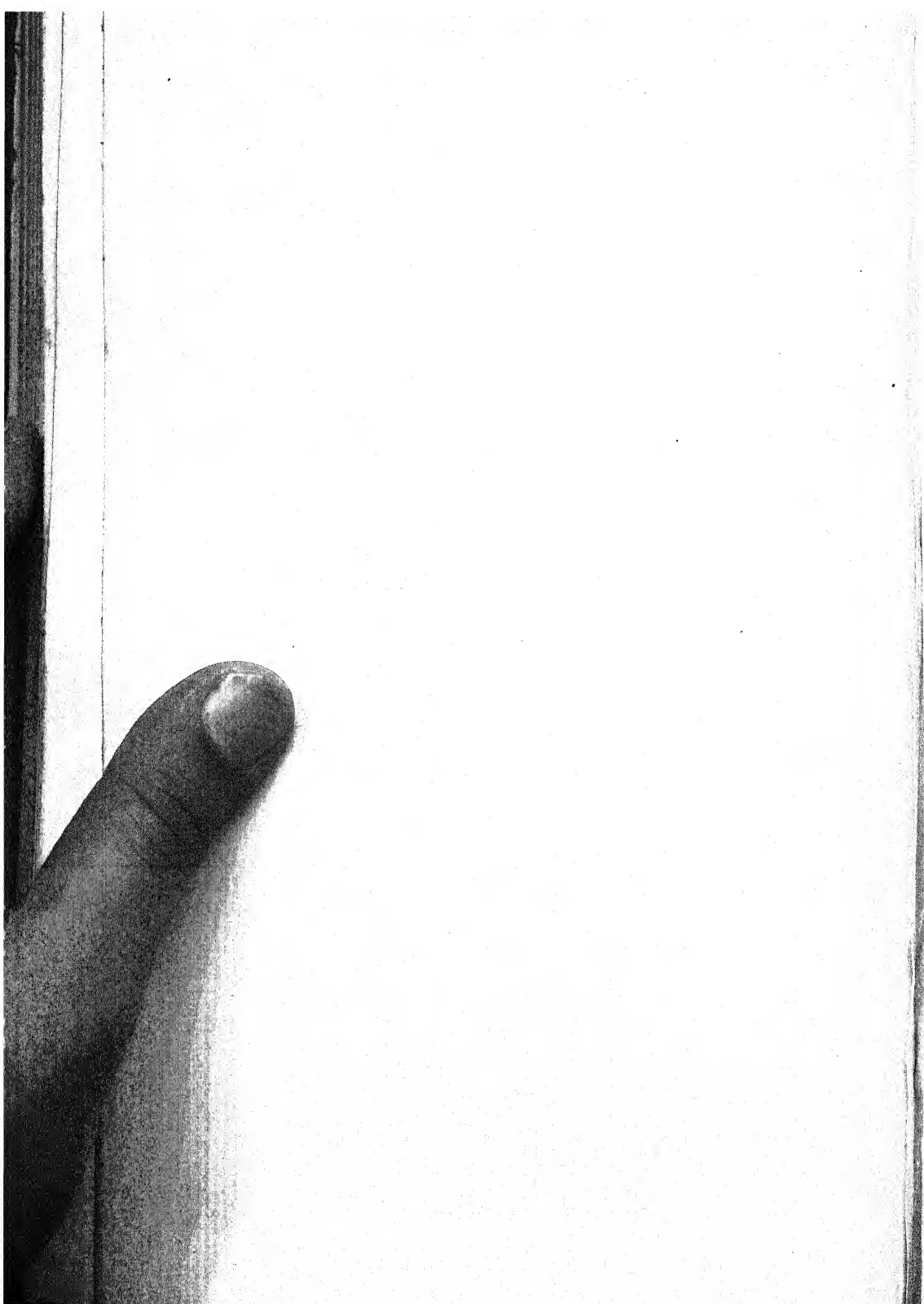
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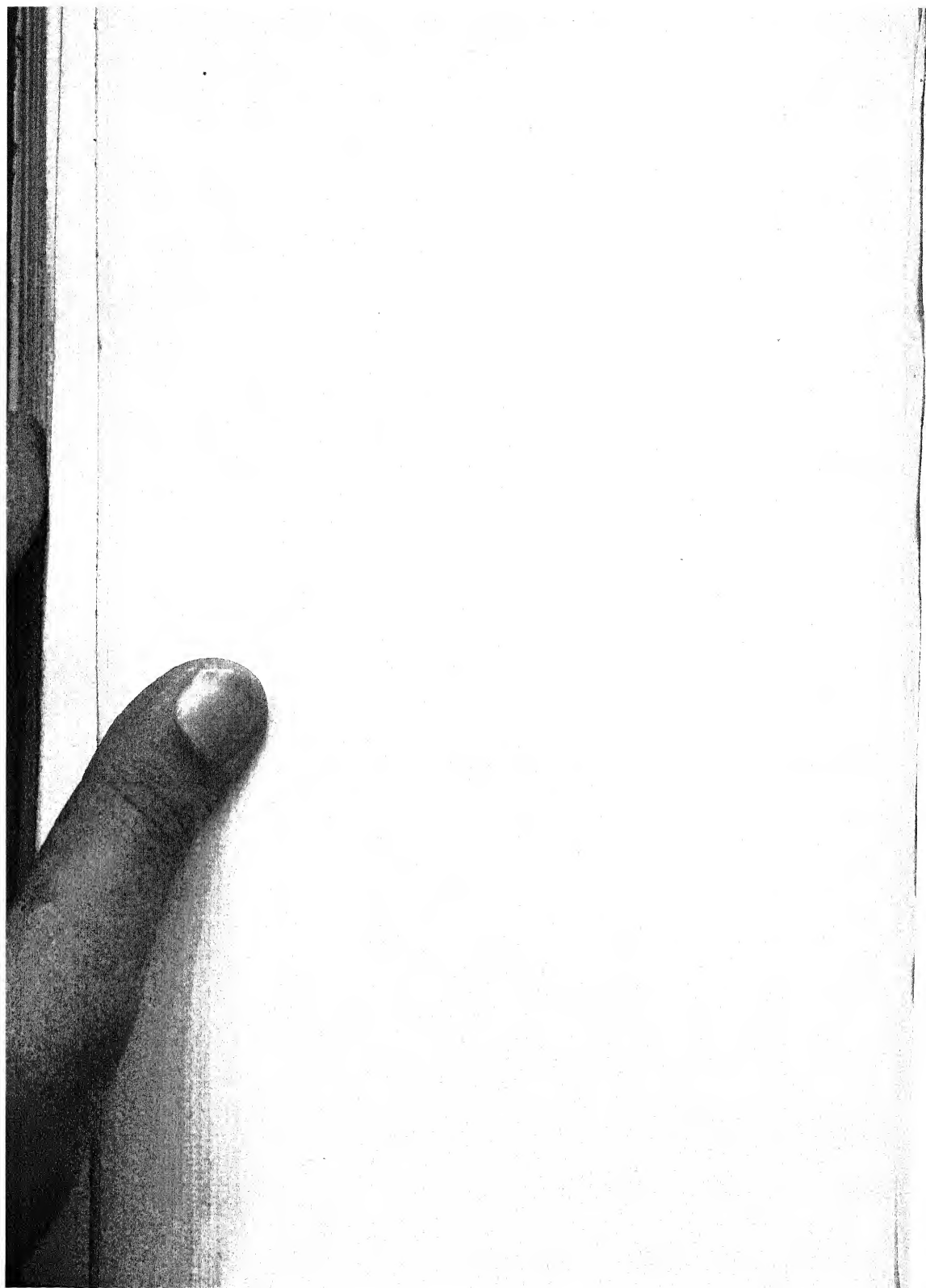
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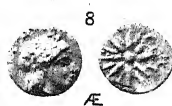
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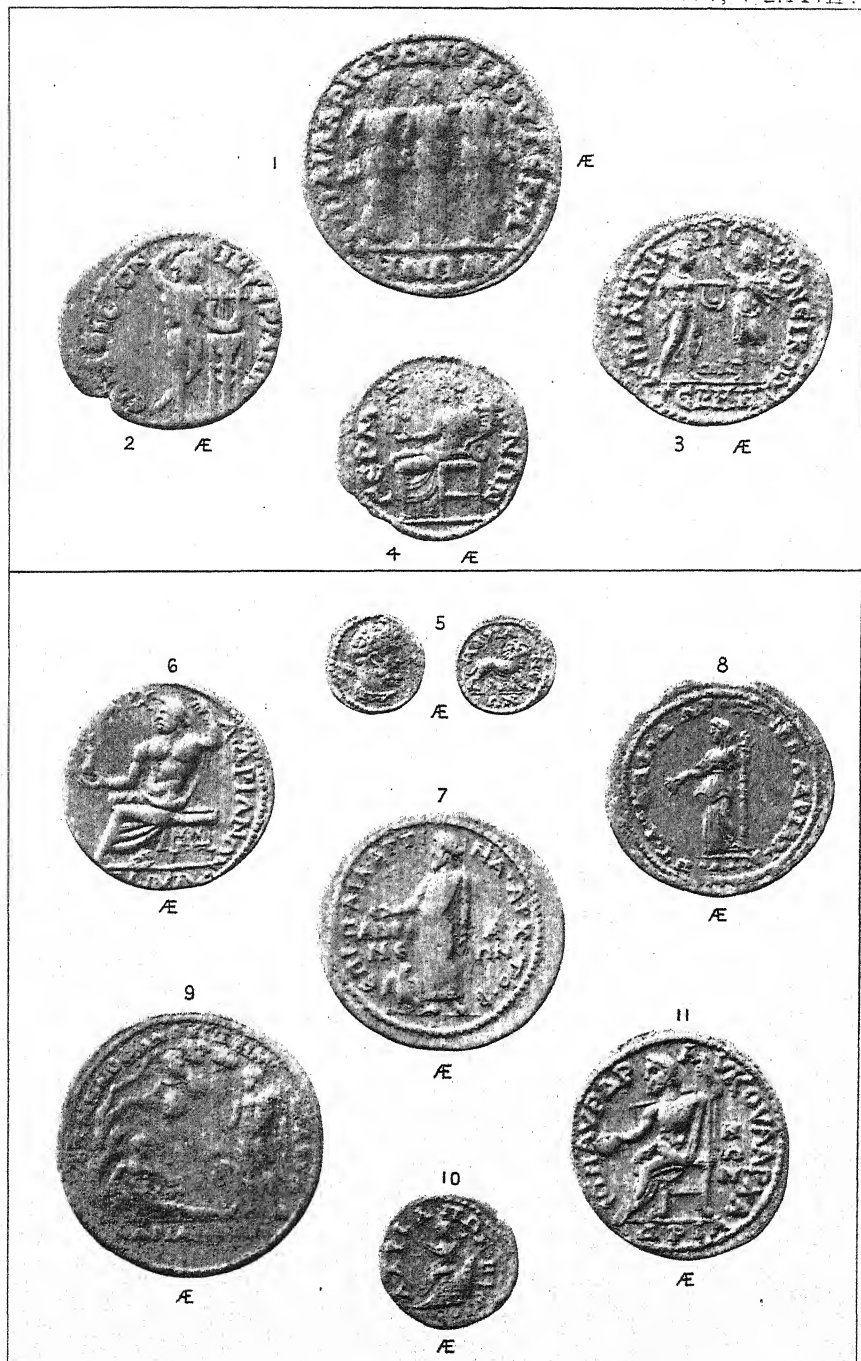
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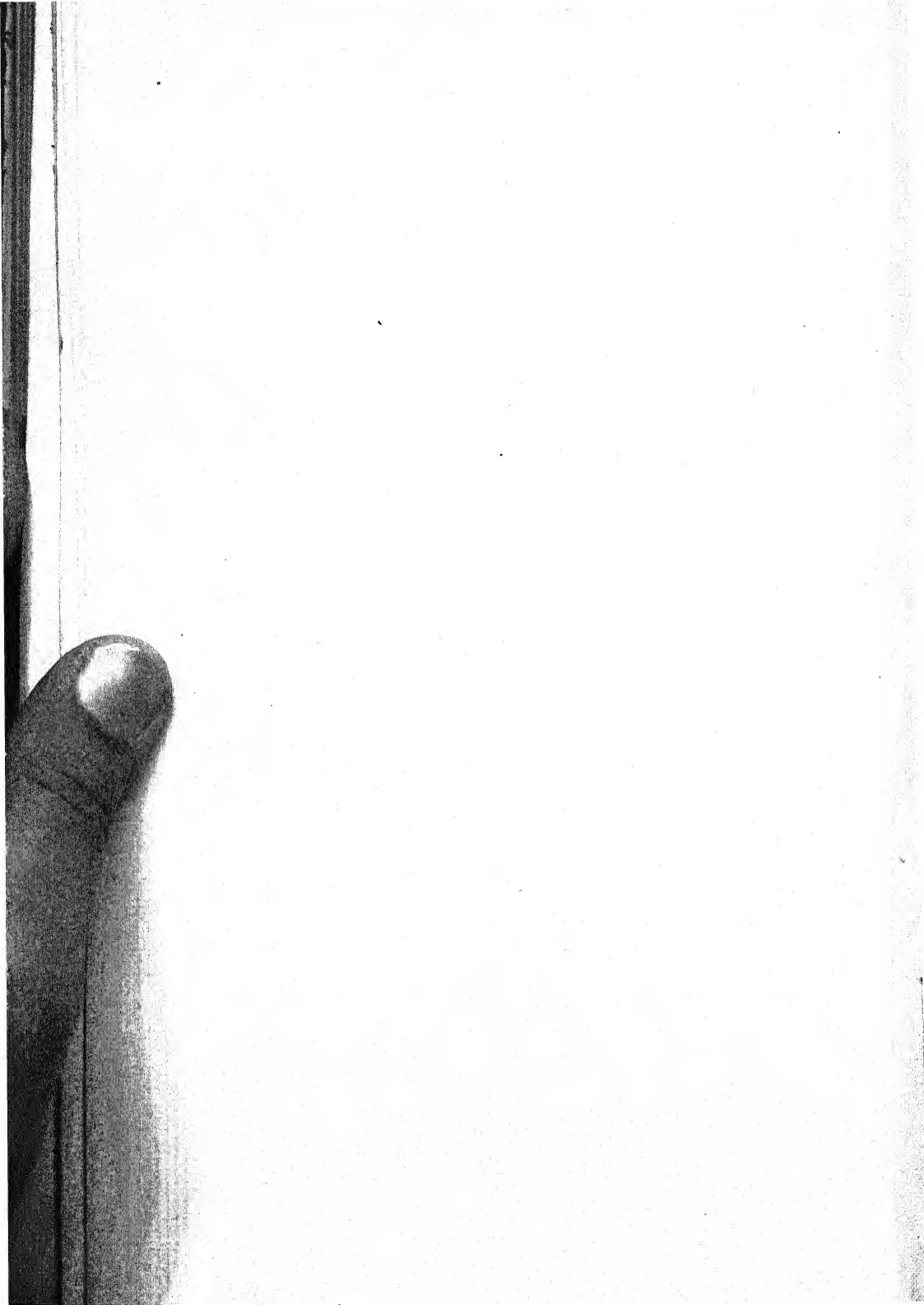


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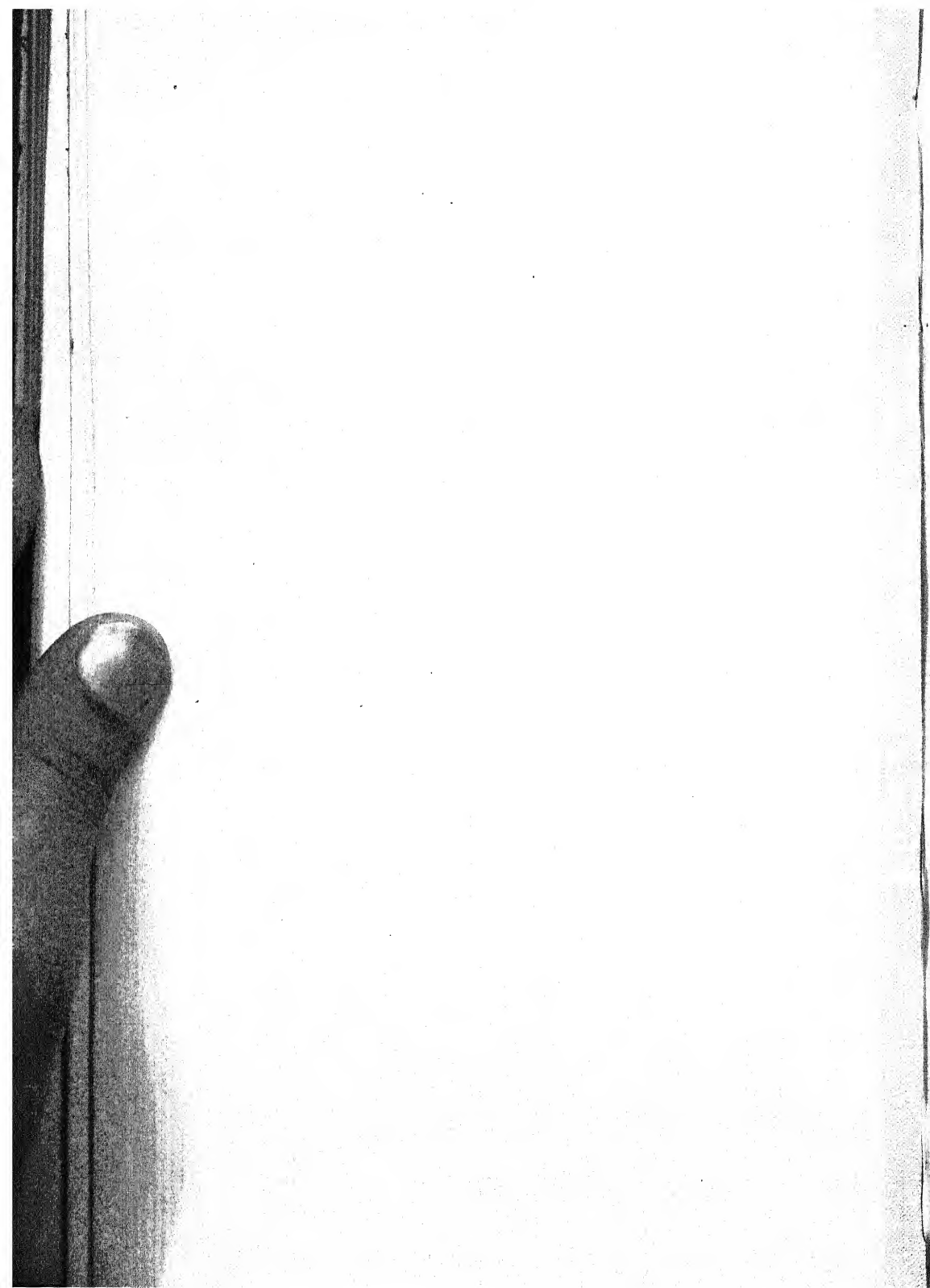
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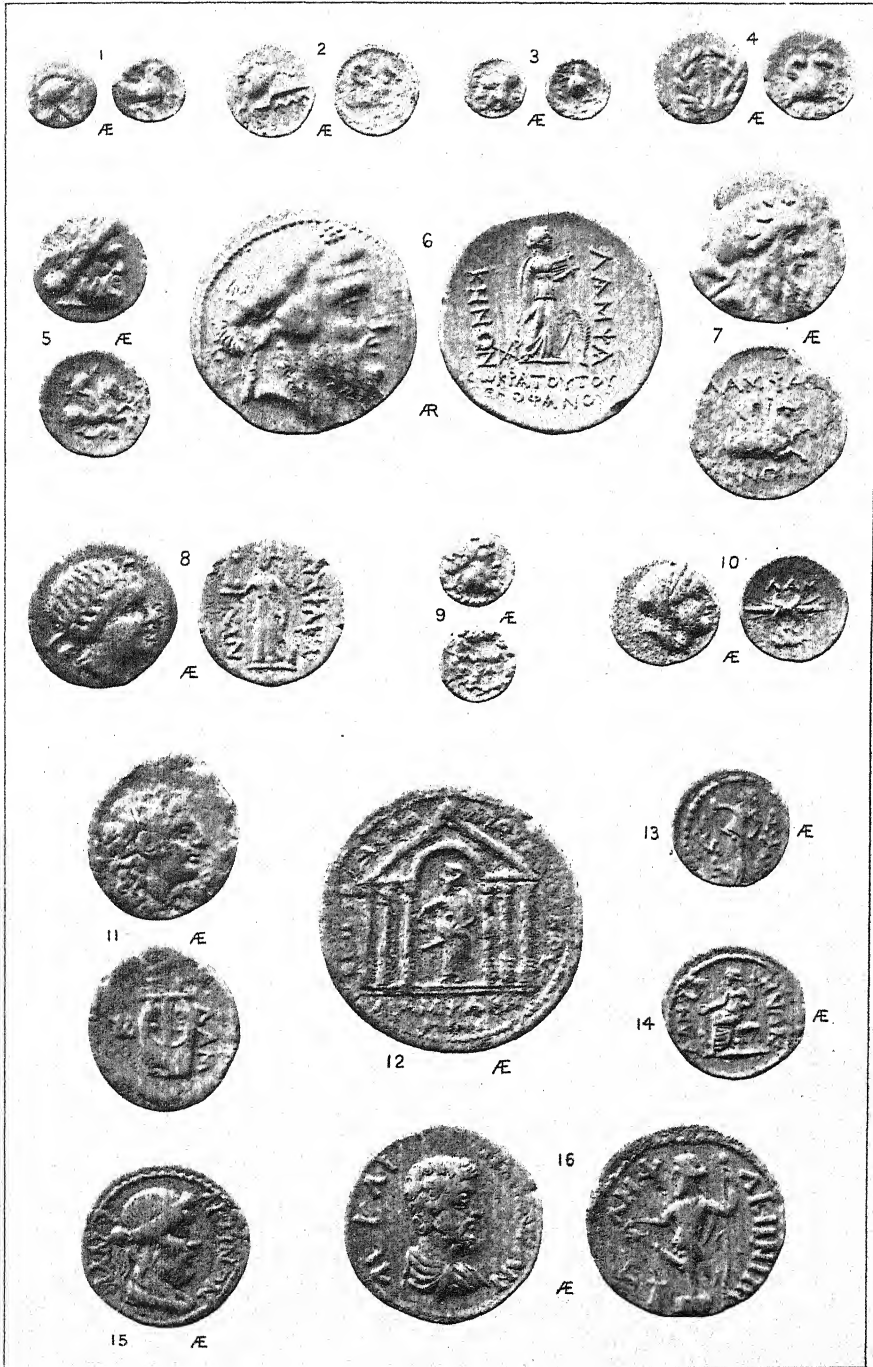


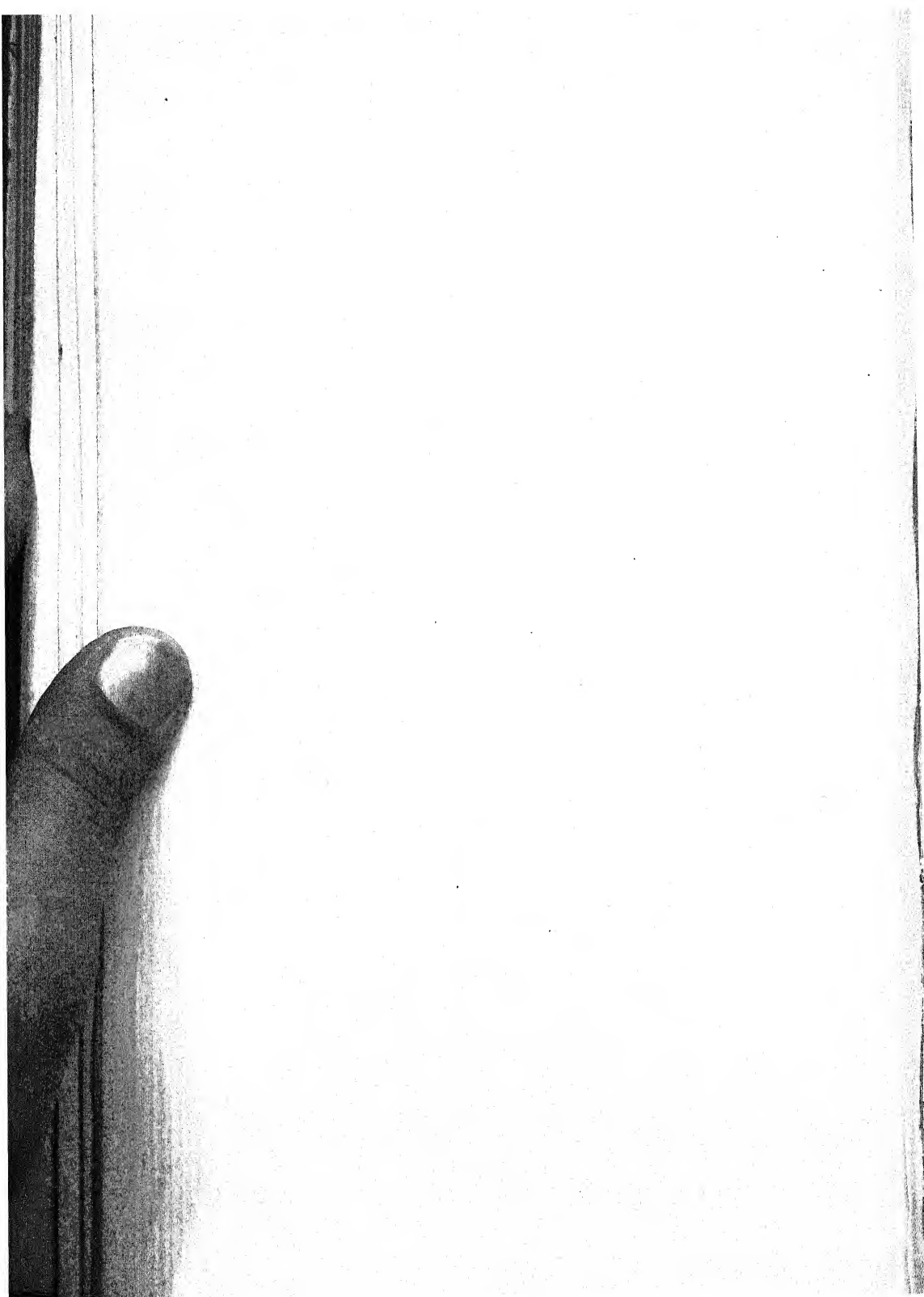


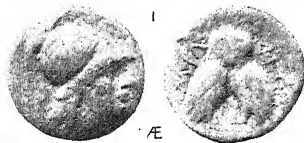


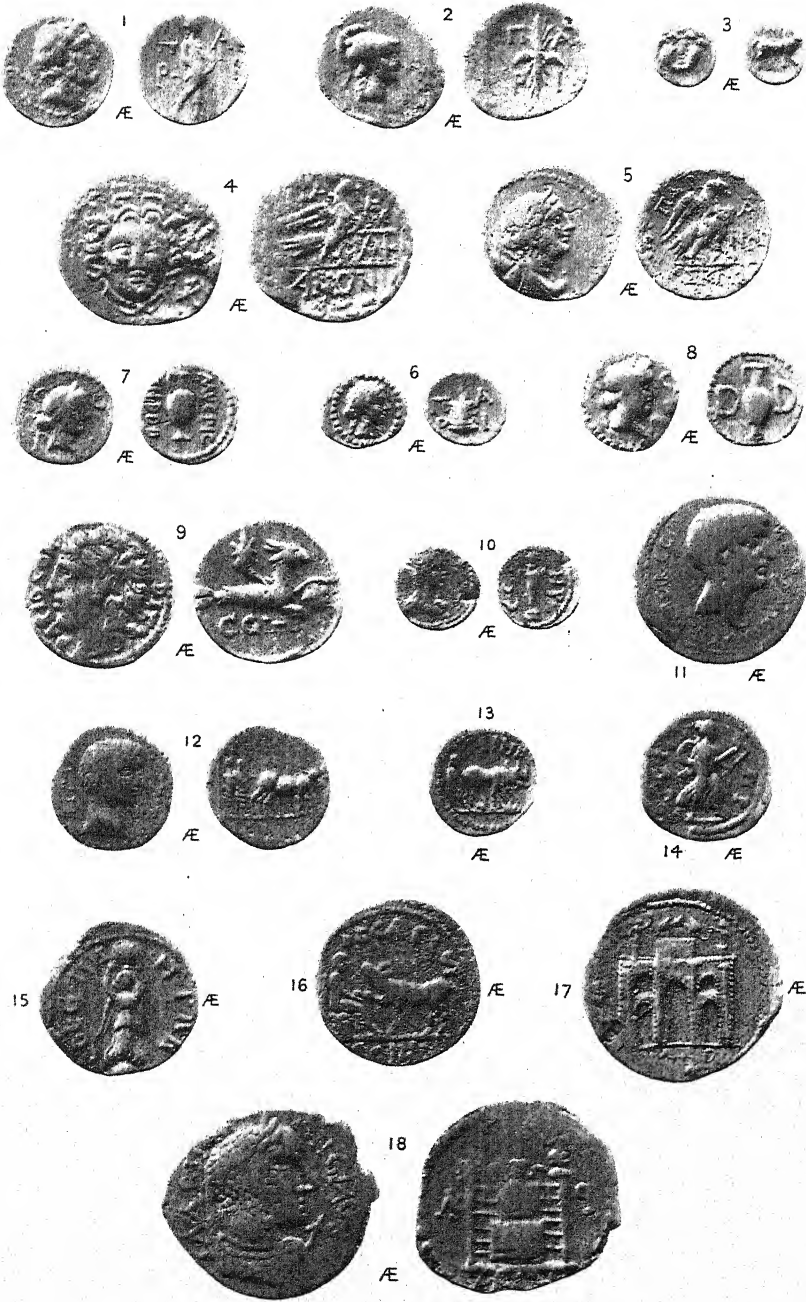


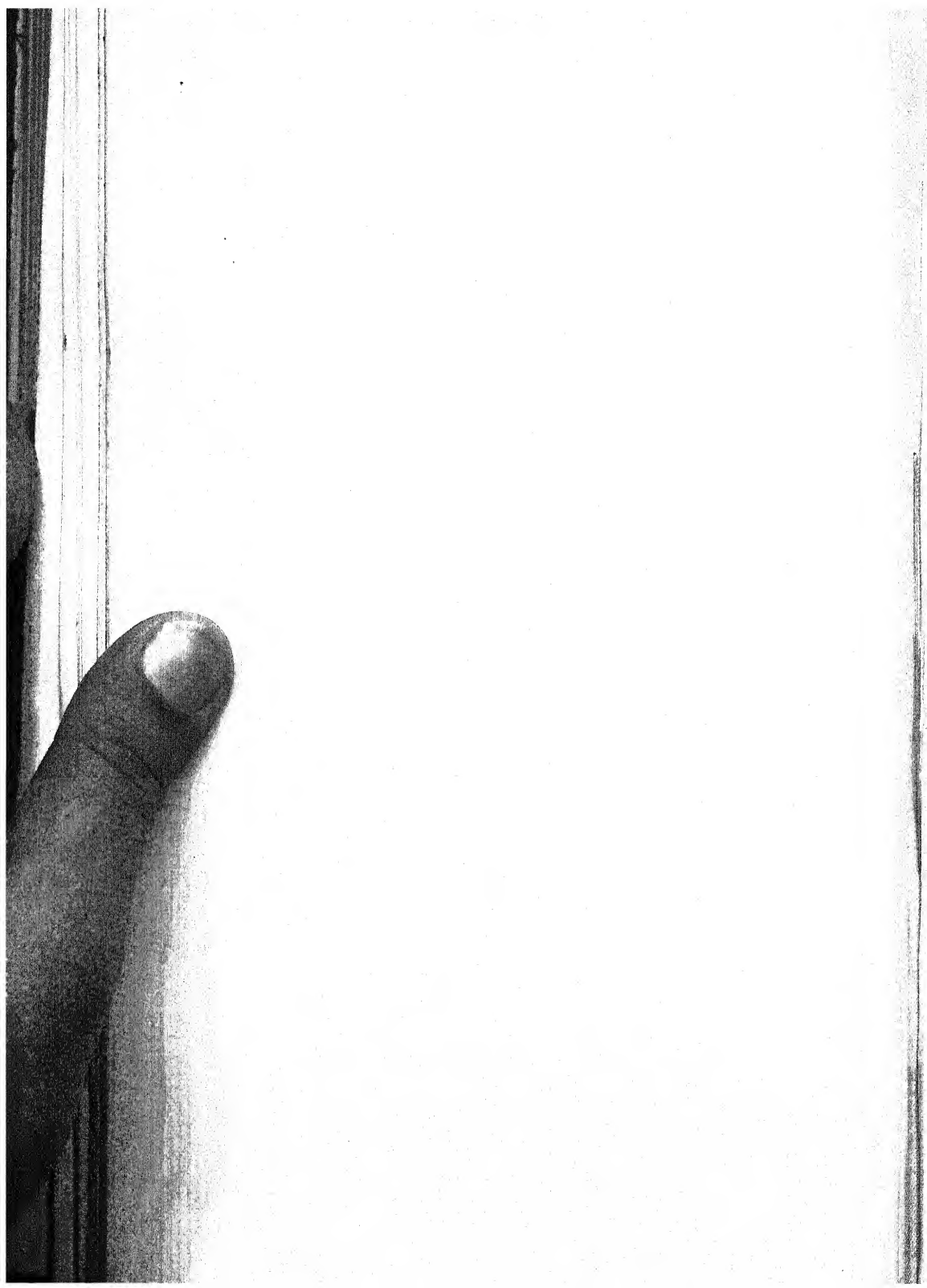


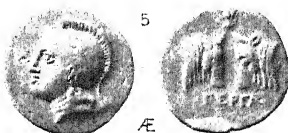














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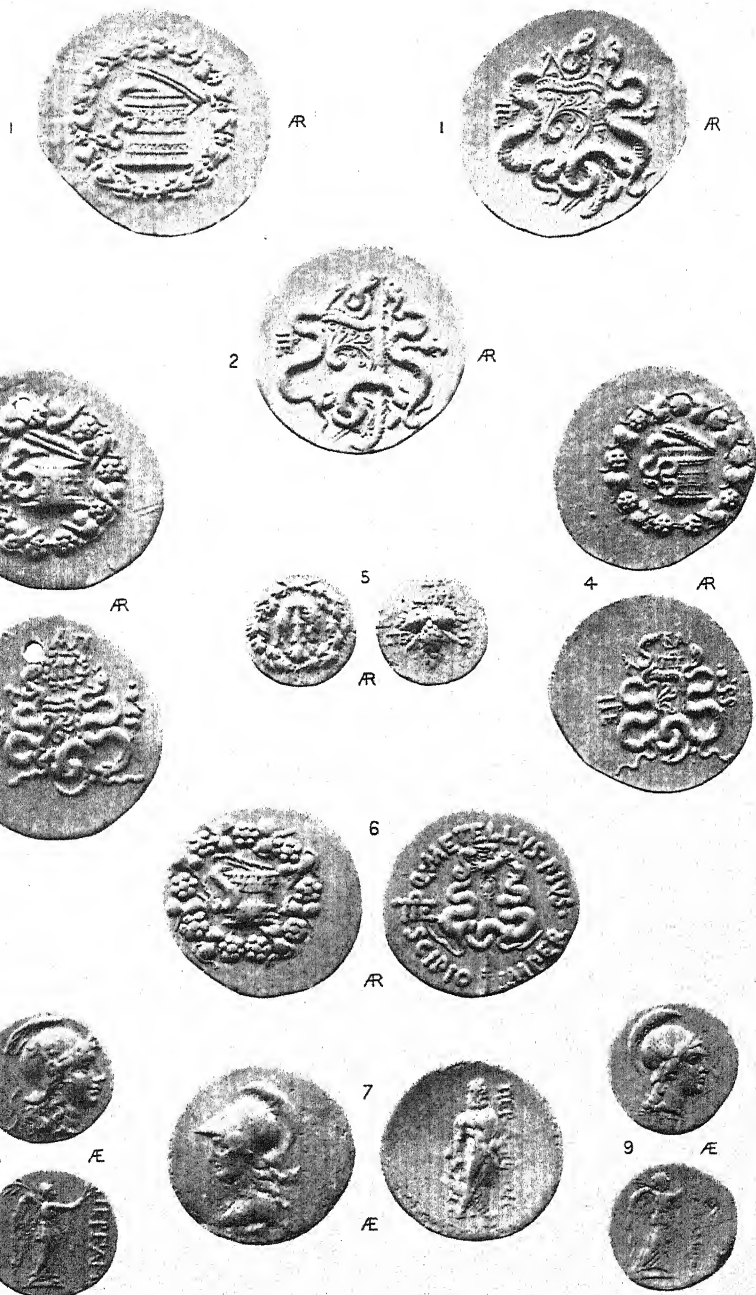


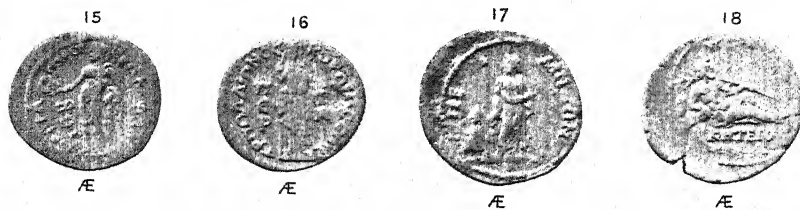
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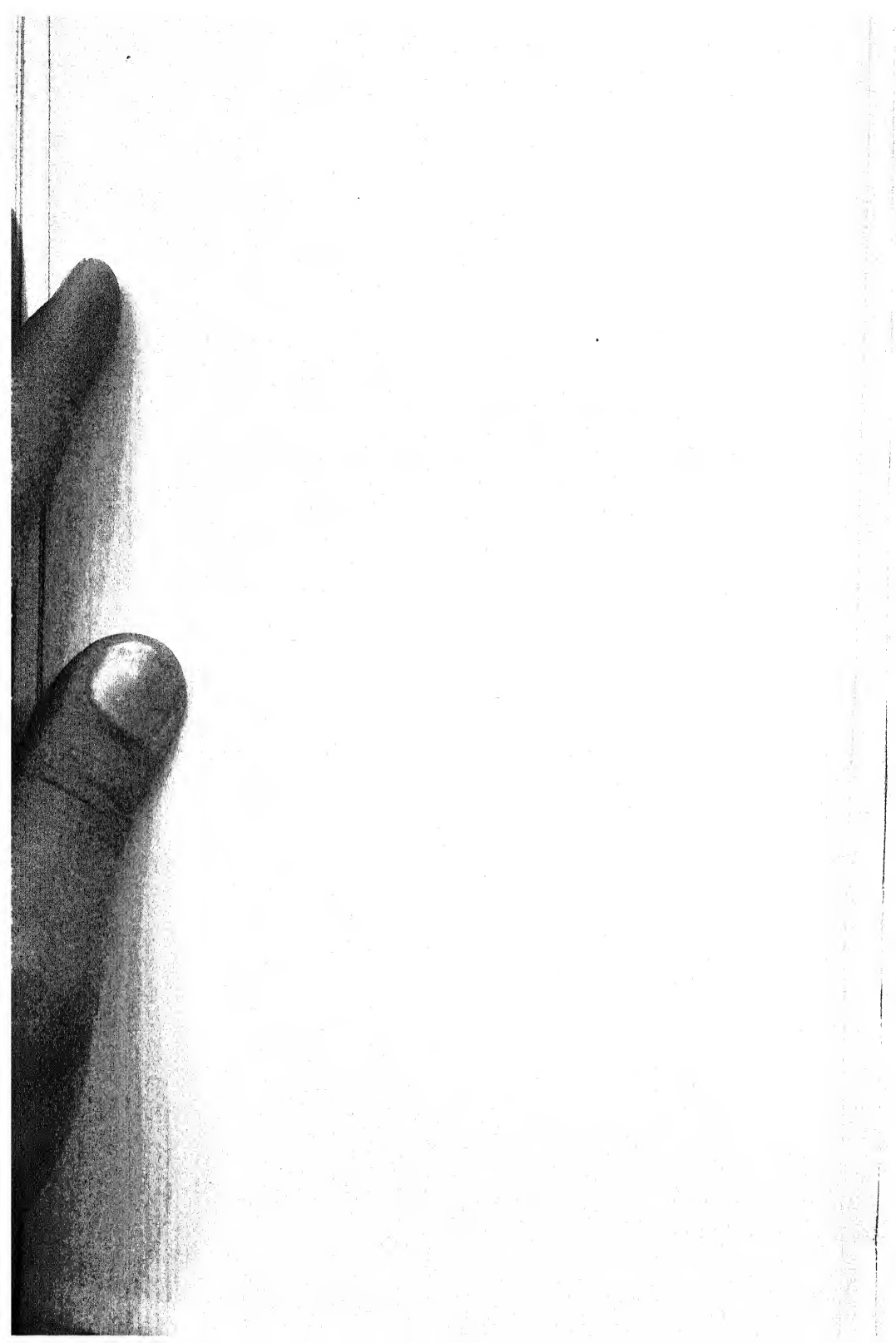
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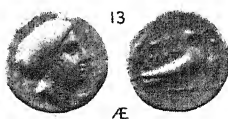
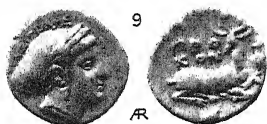
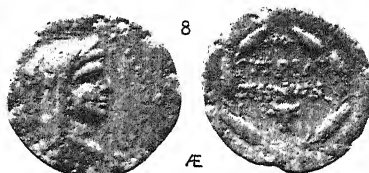
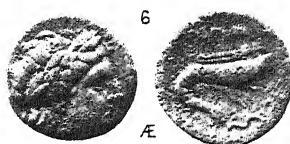
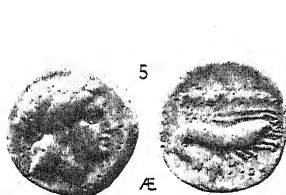


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